

# Converting Colors

XYZ(80.5092, 92.8404, 93.0182)

Have a look what the booklet for  
XYZ(80.5092, 92.8404, 93.0182)  
contains.

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# Color

**XYZ(80.4155, 92.7918,  
93.0291)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCFFEC
RGB	220, 255, 236
RGB Percent	86%, 100%, 93%
CMY	0.1372, 0.0000, 0.0745
CMYK	0.14, 0.00, 0.07, 0.00
HSL	147°, 100%, 93%
HSV	147°, 14%, 100%
XYZ	80.4155, 92.7918, 93.0291
YIQ	242.3690, -14.7610, -13.3290

# Conversions

## Conversions Part 2

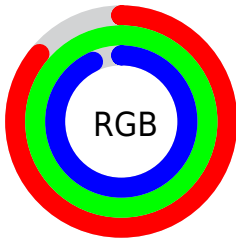
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	220, 244, 255
Decimal	14483436
CIE Lab	97.14, -14.78, 5.29
CIE LCh	97, 15.704, 160.296
Yxy	92.7918, 0.3020, 0.3485
Android (android.graphics.Color)	4292673516 (0xFFDCFFEC)
YUV	242.3690, -3.1399, -19.6176
Hunter-Lab	96.3285, -19.5622, 10.1707

# Details

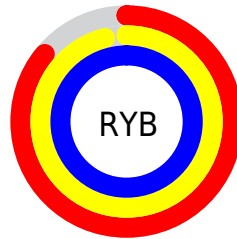
The XYZ color **80.4155, 92.7918, 93.0291** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.4136, 78.6793, 92.5042**, and the grayscale version is **84.7224, 89.1346, 97.0675**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.9494, 51.6828, 50.8394** is the 20% darker color. If you saturate the color by 10%, you get **71.3434, 88.3383, 82.5103**, and if you desaturate by 10%, it is **90.8223, 97.9152, 104.4270**.

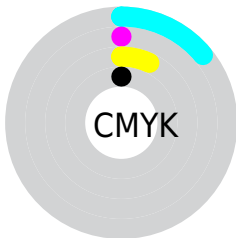
# Distribution



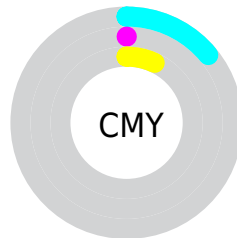
- Red (86%)
- Green (100%)
- Blue (93%)



- Red (86%)
- Yellow (96%)
- Blue (100%)



- Cyan (14%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (14%)
- Magenta (0%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.4155, 92.7918, 93.0291 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 80.4155, 92.7918, 93.0291 by changing the saturation by 10% instead.




 80.4155, 92.7918,  
93.0291

 80.4155, 92.7918,  
93.0291


485.0472,  
537.0712, 558.6583

 60.3700, 70.2985,  
69.9079


132.8972,  
151.2103, 153.5110

 43.9675, 51.7699,  
50.9751


166.0641,  
187.9043, 191.7087

 30.8428, 36.8217,  
35.8122

204.3355,  
230.1007, 235.7690

 20.6304, 25.0695,  
24.0007

248.0767,  
278.1837, 286.1104

 12.9650, 16.1288,  
15.1219

297.6531,  
332.5379, 343.1515

 7.4813, 9.6154,  
8.7574

353.4301,

 3.8139, 5.1447,

393.5476, 407.3109

4.4886

415.7730,  
461.5973, 479.0069

■ 1.5974, 2.3324,  
1.8971

■ 0.3907, 0.7908,  
0.4909

■ 80.4155, 92.7918,  
93.0291

■ 80.4155, 92.7918,  
93.0291

■ 71.3434, 88.3383,  
82.5103

■ 90.8223, 97.9152,  
104.4270

■ 63.5468, 84.5249,  
72.8451

95.0500, 100.0000,  
108.9000

■ 56.9658, 81.3210,  
64.0133

■ 51.5343, 78.6928,  
55.9920

■ 47.1796, 76.6035,  
48.7573

■ 43.8204, 75.0116,  
42.2839

■ 41.3626, 73.8690,  
36.5450

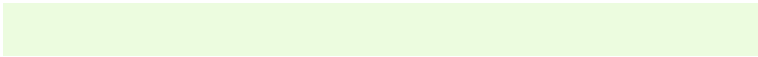
■ 39.6923, 73.1176,  
31.5118

■ 38.9461, 72.7944,  
28.6979

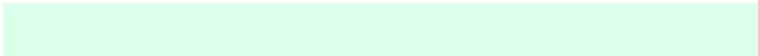
# Harmonies

## Analogous

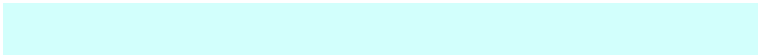
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.7996, 92.7918, 83.5435



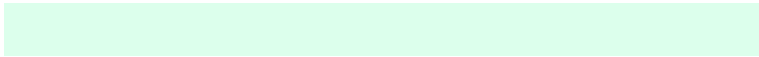
80.4155, 92.7918, 93.0291



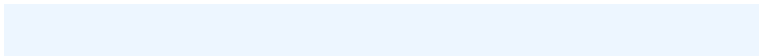
80.0759, 92.7918, 105.4589

# Triad

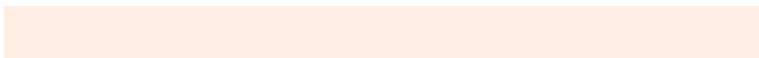
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.4155, 92.7918, 93.0291



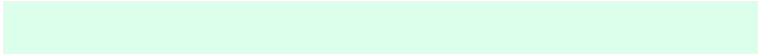
89.7274, 92.7918, 126.9935



94.8549, 92.7918, 86.0612

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



80.4155, 92.7918, 93.0291



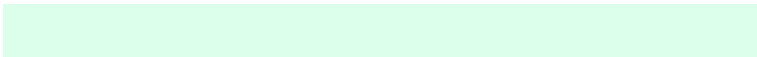
82.4136, 78.6793, 92.5042

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.8469, 92.7918, 96.7356



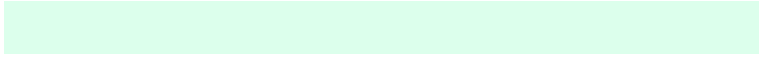
80.4155, 92.7918, 93.0291



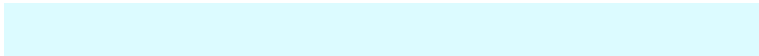
93.8215, 92.7918, 120.8108

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.4155, 92.7918, 93.0291



85.3544, 92.7918, 125.7911



96.4625, 92.7918, 109.4865

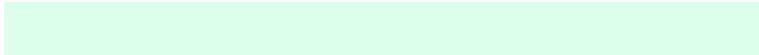


91.0996, 92.7918, 79.7599



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



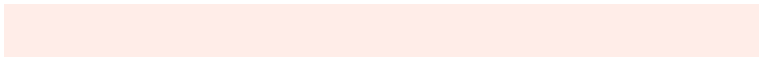
80.4155, 92.7918, 93.0291



81.0422, 92.7918, 113.8504



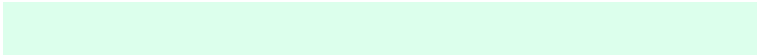
96.4625, 92.7918, 109.4865



95.7585, 92.7918, 89.2183

# Sweetspot

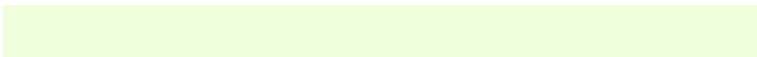
The Sweet Spot groups the original color and five complimentary colors.



80.4163, 92.7921, 93.0306



90.5177, 97.7650, 104.1015



84.3598, 95.0818, 81.6177



19.1974, 20.8384, 22.0923



0.0000, 0.0000, 0.0000

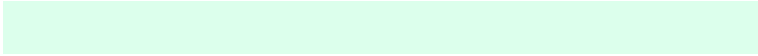


20.3446, 21.4041, 23.3091

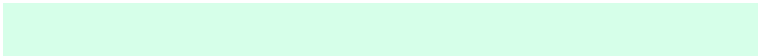


# Same Dimension

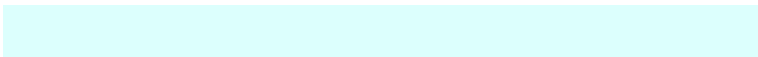
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.4163, 92.7921, 93.0306



78.2369, 91.7210, 90.5608



83.0452, 93.8437, 106.8742



18.1169, 20.3063, 20.9187



20.4234, 38.0660, 15.3810



2.0429, 3.7281, 1.7837



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



82.4136, 78.6793, 92.5042



80.5281, 75.5308, 89.9565



79.9852, 77.7079, 79.7163



18.4218, 18.1520, 20.8384



24.0382, 12.1046, 14.1173



2.3957, 1.2006, 1.6651



# Previews

## White Background



This preview shows how the XYZ color 80.4155, 92.7918, 93.0291 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

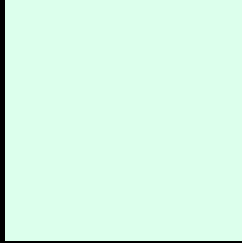
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.4155, 92.7918, 93.0291 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

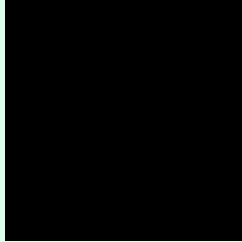
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

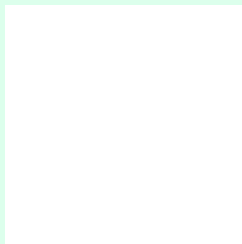
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 80.4155, 92.7918, 93.0291

## Background



This preview shows how black text looks on a background with the XYZ color 80.4155, 92.7918, 93.0291.



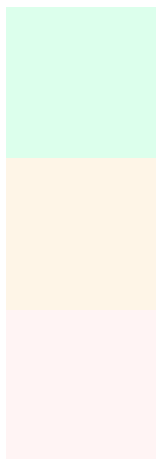
This preview shows how white text looks on a background with the XYZ color 80.4155, 92.7918,

93.0291.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

80.4155, 92.7918, 93.0291

### Protanopia

87.9493, 92.1452, 88.7517

### Deuteranopia

89.9198, 92.4930, 98.7016



## Tritanopia

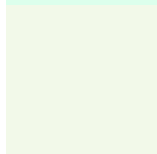
87.2140, 92.7055, 107.9050

# Trichromacy



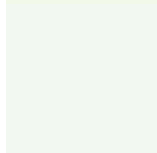
## Original Color

80.4155, 92.7918, 93.0291



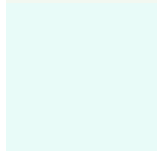
## Protanomaly

85.2016, 92.5118, 90.4568



## Deuteranomaly

86.0625, 92.3629, 96.5109



## Tritanomaly

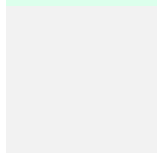
84.7192, 92.9275, 102.2786

# Monochromacy



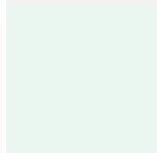
## Original Color

80.4155, 92.7918, 93.0291



## Achromatopsia

84.3971, 88.7923, 96.6948



## Achromatomaly

82.9206, 90.3052, 95.4983

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.4155, 92.7918, 93.0291 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(220, 255, 236)` looks like.

```
.text, #text, p{  
    color:rgb(220, 255, 236)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(220, 255, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 255, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 80.4155, 92.7918, 93.0291 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(220, 255, 236) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(220, 255, 236) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(220, 255, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 255, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 255, 236);  
box-shadow:4px 4px 4px 4px rgb(220, 255,  
236) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.4155, 92.7918, 93.0291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 255, 236) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(220,  
255, 236) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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