

Converting Colors

XYZ(80.5297, 92.8551, 92.8320)

Have a look what the booklet for
XYZ(80.5297, 92.8551, 92.8320)
contains.

XYZ(80.7191, 92.9483, 93.0433)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(80.7191, 92.9483,
93.0433)**

Conversions

Conversions Part 1

Format	Color
Hex	DDFEFC
RGB	221, 255, 236
RGB Percent	87%, 100%, 93%
CMY	0.1333, 0.0000, 0.0745
CMYK	0.13, 0.00, 0.07, 0.00
HSL	146°, 100%, 93%
HSV	146°, 13%, 100%
XYZ	80.7191, 92.9483, 93.0433
YIQ	242.6680, -14.1650, -13.1170

Conversions

Conversions Part 2

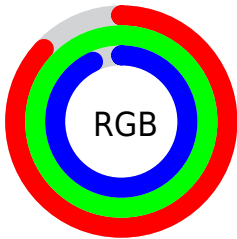
Format	Color
R _Y B	221, 245, 255
Decimal	14548972
CIE Lab	97.21, -14.46, 5.39
CIE LCh	97, 15.437, 159.546
Yxy	92.9483, 0.3026, 0.3485
Android (android.graphics.Color)	4292739052 (0xFFDDFFEC)
YUV	242.6680, -3.2873, -19.0028
Hunter-Lab	96.4097, -19.2677, 10.2671

Details

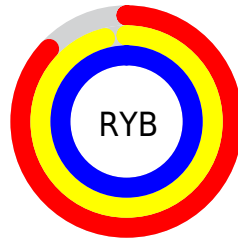
The XYZ color **80.7191, 92.9483, 93.0433** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.8251, 79.2651, 93.3724**, and the grayscale version is **84.9605, 89.3850, 97.3403**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.1582, 51.7904, 50.8492** is the 20% darker color. If you saturate the color by 10%, you get **71.5472, 88.4497, 82.2350**, and if you desaturate by 10%, it is **91.2370, 98.1216, 104.7798**.

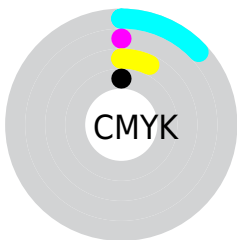
Distribution



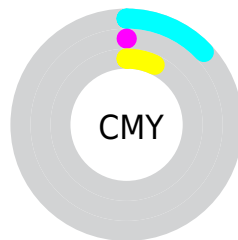
- Red (87%)
- Green (100%)
- Blue (93%)



- Red (87%)
- Yellow (96%)
- Blue (100%)



- Cyan (13%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.7191, 92.9483, 93.0433 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 80.7191, 92.9483, 93.0433 by changing the saturation by 10% instead.


 80.7191, 92.9483,
93.0433

 80.7191, 92.9483,
93.0433


486.0527,
537.5756, 558.7052

 60.6208, 70.4285,
69.9196


133.3215,
151.4270, 153.5308

 44.1706, 51.8760,
50.9846


166.5563,
188.1548, 191.7317

 31.0031, 36.9062,
35.8197


204.9006,
230.3873, 235.7954

 20.7531, 25.1349,
24.0064

248.7198,
278.5090, 286.1405

 13.0550, 16.1776,
15.1261

298.3793,
332.9043, 343.1854

 7.5437, 9.6499,
8.7603

354.2443,

 3.8537, 5.1675,

393.9576, 407.3489

4.4905

416.6803,
462.0532, 479.0493

■ 1.6197, 2.3458,
1.8981

■ 0.4052, 0.7978,
0.4915

■ 80.7191, 92.9483,
93.0433

■ 80.7191, 92.9483,
93.0433

■ 71.5472, 88.4497,
82.2350

■ 91.2370, 98.1216,
104.7798

■ 63.6620, 84.5959,
72.3278

95.0500, 100.0000,
108.9000

■ 57.0034, 81.3562,
63.2995

■ 51.5051, 78.6969,
55.1256

■ 47.0944, 76.5811,
47.7800

■ 43.6899, 74.9673,
41.2356

■ 41.1977, 73.8078,
35.4631

■ 39.5045, 73.0445,
30.4315

■ 38.7129, 72.7012,
27.4698

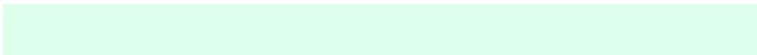
Harmonies

Analogous

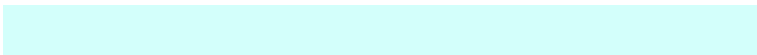
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.1129, 92.9483, 83.7945



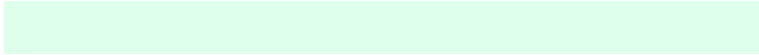
80.7191, 92.9483, 93.0433



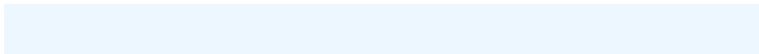
80.3313, 92.9483, 105.2398

Triad

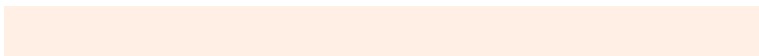
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.7191, 92.9483, 93.0433



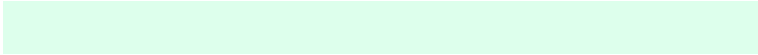
89.7424, 92.9483, 126.7804



94.9691, 92.9483, 86.6728

Complementary

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



80.7191, 92.9483, 93.0433



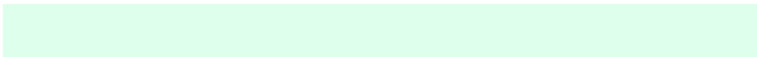
82.8251, 79.2651, 93.3724

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.



96.8738, 92.9483, 97.2745



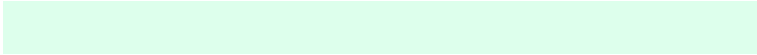
80.7191, 92.9483, 93.0433



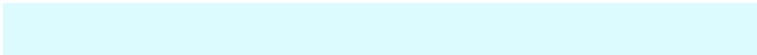
93.7913, 92.9483, 120.8738

Square

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



80.7191, 92.9483, 93.0433



85.4468, 92.9483, 125.4125



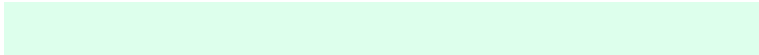
96.4358, 92.9483, 109.8303



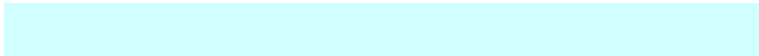
91.3071, 92.9483, 80.3319

Rectangle

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



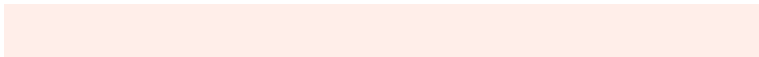
80.7191, 92.9483, 93.0433



81.2492, 92.9483, 113.5142



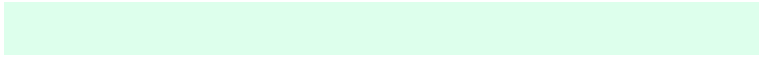
96.4358, 92.9483, 109.8303



95.8415, 92.9483, 89.8193

Sweetspot

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



80.7199, 92.9487, 93.0448



90.4922, 97.7548, 103.9674



84.8374, 95.3127, 82.3336



19.1909, 20.8359, 22.0584



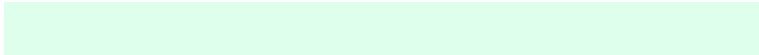
0.0000, 0.0000, 0.0000



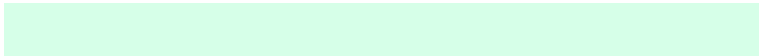
20.3446, 21.4041, 23.3091

Same Dimension

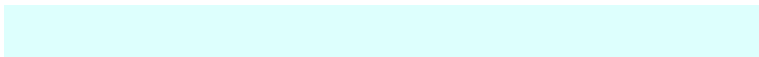
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.7199, 92.9487, 93.0448



78.1440, 91.6839, 90.0719



83.2665, 93.9673, 106.4549



18.1045, 20.3013, 20.8533



20.3005, 38.0168, 14.7337



2.0304, 3.7231, 1.7182

Inverse Universe

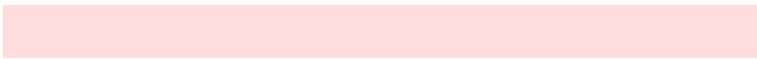
The Inverse Universe completely reimagines the original color for something new.



82.8251, 79.2651, 93.3724



80.6231, 75.5688, 90.4569



80.4524, 78.3160, 80.8780



18.4344, 18.1571, 20.9047



24.1958, 12.1676, 14.9475



2.4108, 1.2067, 1.7449

Previews

White Background



This preview shows how the XYZ color 80.7191, 92.9483, 93.0433 looks on a white background.

Color Contrast Check

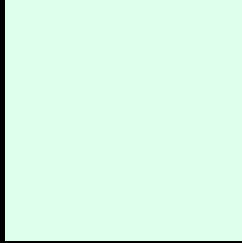
Large Text (above 18pt) WCAG AA × Fail

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 80.7191, 92.9483, 93.0433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

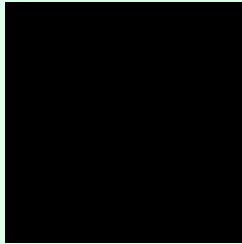
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

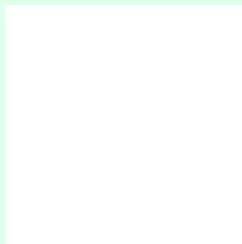
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.7191, 92.9483, 93.0433

Background



This preview shows how black text looks on a background with the XYZ color 80.7191, 92.9483, 93.0433.



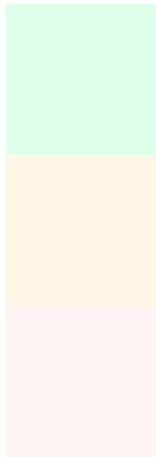
This preview shows how white text looks on a background with the XYZ color 80.7191, 92.9483,

93.0433.

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

80.7191, 92.9483, 93.0433

Protanopia

88.6196, 92.9411, 88.8700

Deuteranopia

89.9198, 92.4930, 98.7016



Tritanopia

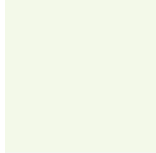
87.5526, 92.8801, 107.9209

Trichromacy



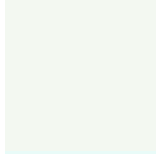
Original Color

80.7191, 92.9483, 93.0433



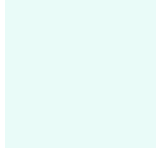
Protanomaly

85.5458, 92.6892, 90.4729



Deuteranomaly

86.4067, 92.5404, 96.5270



Tritanomaly

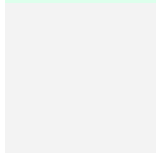
85.0447, 93.0953, 102.2938

Monochromacy



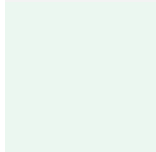
Original Color

80.7191, 92.9483, 93.0433



Achromatopsia

85.1904, 89.6269, 97.6037



Achromatomaly

83.2499, 90.4750, 95.5138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.7191, 92.9483, 93.0433 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(221, 255, 236)` looks like.

```
.text, #text, p{  
    color:rgb(221, 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(221, 255, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 255, 236) }
```

Border

The CSS property to change the border of an element to XYZ 80.7191, 92.9483, 93.0433 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(221, 255, 236) }
```


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

```
.border{ border-color:rgb(221, 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(221, 255, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 255, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 255, 236);  
box-shadow:4px 4px 4px 4px rgb(221, 255,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 80.7191, 92.9483, 93.0433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 255, 236) }
```

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

```
.background{ background-color: rgb(221,  
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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