

# Converting Colors

XYZ(80.1800, 92.5955, 96.4007)

Have a look what the booklet for  
XYZ(80.1800, 92.5955, 96.4007)  
contains.

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# Color

**XYZ(80.1034, 92.5630,  
96.0826)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9FFF0
RGB	217, 255, 240
RGB Percent	85%, 100%, 94%
CMY	0.1490, 0.0000, 0.0588
CMYK	0.15, 0.00, 0.06, 0.00
HSL	156°, 100%, 93%
HSV	156°, 15%, 100%
XYZ	80.1034, 92.5630, 96.0826
YIQ	241.9280, -17.8330, -12.7210

# Conversions

## Conversions Part 2

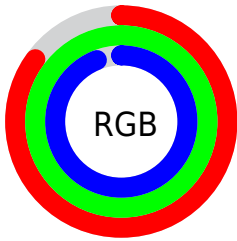
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	217, 241, 255
Decimal	14286832
CIE <sub>Lab</sub>	97.05, -15.00, 3.08
CIE <sub>LCh</sub>	97, 15.309, 168.393
Yxy	92.5630, 0.2981, 0.3444
Android (android.graphics.Color)	4292476912 (0xFFD9FFF0)
YUV	241.9280, -0.9505, -21.8619
Hunter-Lab	96.2097, -19.7492, 8.1351

# Details

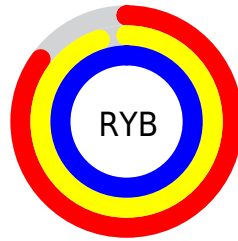
The XYZ color **80.1034, 92.5630, 96.0826** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.6188, 76.7128, 86.9019**, and the grayscale version is **84.3581, 88.7513, 96.6502**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.7461, 51.5302, 52.9881** is the 20% darker color. If you saturate the color by 10%, you get **71.6463, 88.3712, 88.0976**, and if you desaturate by 10%, it is **89.8162, 97.3925, 104.5623**.

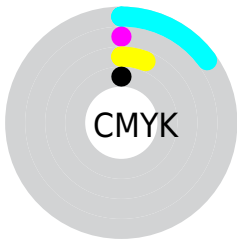
# Distribution



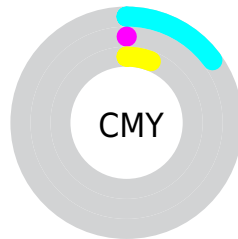
- Red (85%)
- Green (100%)
- Blue (94%)



- Red (85%)
- Yellow (95%)
- Blue (100%)



- Cyan (15%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)




- Cyan (15%)
- Magenta (0%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.1034, 92.5630, 96.0826 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 80.1034, 92.5630, 96.0826 by changing the saturation by 10% instead.




 80.1034, 92.5630,  
96.0826

 80.1034, 92.5630,  
96.0826


484.0125,  
536.3334, 568.6977

 60.1122, 70.1083,  
72.4345

132.4609,  
150.8935, 157.7678

 43.7589, 51.6149,  
53.0247

165.5578,  
187.5380, 196.6420

 30.6781, 36.6982,  
37.4346

203.7541,  
229.6814, 241.4287

 20.5045, 24.9739,  
25.2458

247.4150,  
277.7079, 292.5464

 12.8727, 16.0576,  
16.0396

296.9060,  
332.0020, 350.4135

 7.4173, 9.5649,  
9.3975

352.5923,

 3.7731, 5.1115,

392.9480, 415.4488

4.9010

414.8393,  
460.9303, 488.0706

■ 1.5746, 2.3128,  
2.1316

■ 0.3757, 0.7805,  
0.6345

■ 80.1034, 92.5630,  
96.0826

■ 80.1034, 92.5630,  
96.0826

■ 71.6463, 88.3712,  
88.0976

■ 89.8162, 97.3925,  
104.5623

■ 64.3875, 84.7877,  
80.5932

95.0500, 100.0000,  
108.9000

■ 58.2688, 81.7827,  
73.5611

■ 53.2256, 79.3230,  
66.9910

■ 49.1871, 77.3723,  
60.8720

■ 46.0732, 75.8895,  
55.1927

■ 43.7908, 74.8268,  
49.9407

■ 42.2259, 74.1255,  
45.1025

■ 41.6219, 73.8648,  
42.7884

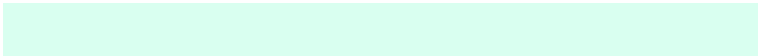
# Harmonies

## Analogous

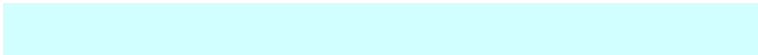
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.9228, 92.5630, 85.8248



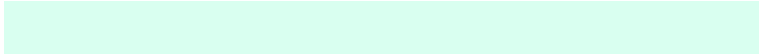
80.1034, 92.5630, 96.0826



80.3423, 92.5630, 108.4657

# Triad

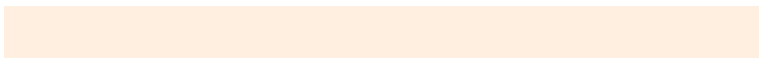
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.1034, 92.5630, 96.0826



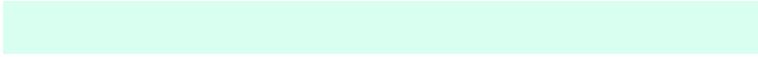
90.6208, 92.5630, 125.0408



93.6000, 92.5630, 84.0514

# Complementary

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



80.1034, 92.5630, 96.0826



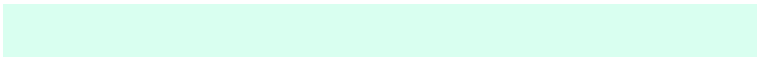
80.6188, 76.7128, 86.9019

# 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.



96.0836, 92.5630, 93.4764



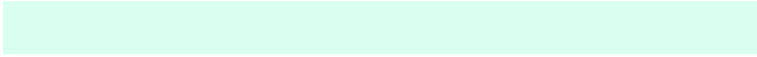
80.1034, 92.5630, 96.0826



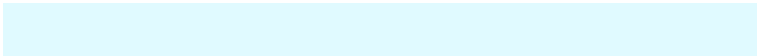
94.3251, 92.5630, 117.3907

# Square

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



80.1034, 92.5630, 96.0826



86.3206, 92.5630, 125.8827



96.3532, 92.5630, 105.6391

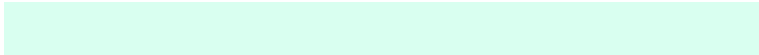


89.6572, 92.5630, 79.2673



# Rectangle

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



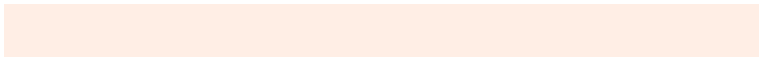
80.1034, 92.5630, 96.0826



81.6381, 92.5630, 116.2649



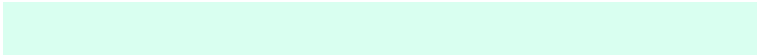
96.3532, 92.5630, 105.6391



94.6386, 92.5630, 86.7447

# Sweetspot

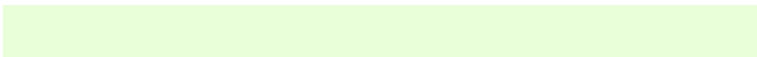
The Sweet Spot groups the original color and five complimentary colors.



80.1042, 92.5634, 96.0841



90.7549, 97.8599, 105.3508



81.6286, 93.7193, 79.4342



19.2574, 20.8625, 22.4085



0.0000, 0.0000, 0.0000

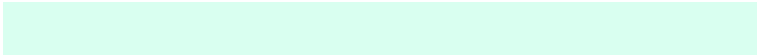


20.3446, 21.4041, 23.3091

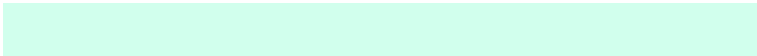


# Same Dimension

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



80.1042, 92.5634, 96.0841



77.3518, 91.1975, 93.5571



81.2255, 91.0915, 107.9091



18.2334, 20.3529, 21.5321



21.8239, 38.6262, 22.7559



2.1787, 3.7824, 2.4991



# Inverse Universe

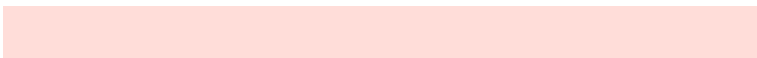
The Inverse Universe completely reimagines the original color for something new.



80.6188, 76.7128, 86.9019



77.9601, 72.4681, 82.7090



79.5687, 77.8780, 76.4851



18.3063, 18.1058, 20.2301



22.8356, 11.6235, 7.7845



2.2754, 1.1525, 1.0315



# Previews

## White Background



This preview shows how the XYZ color 80.1034, 92.5630, 96.0826 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

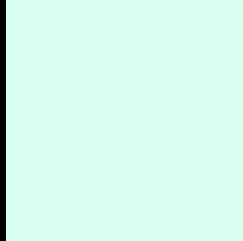
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.1034, 92.5630, 96.0826 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

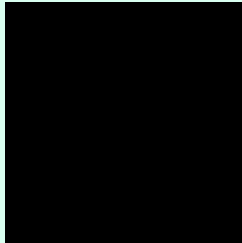
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

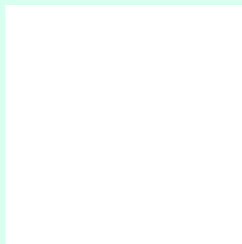
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 80.1034, 92.5630, 96.0826**

## **Background**



This preview shows how black text looks on a background with the XYZ color 80.1034, 92.5630, 96.0826.



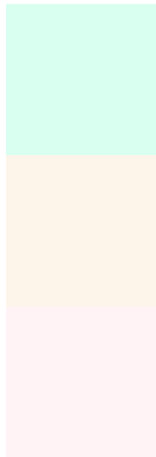
This preview shows how white text looks on a background with the XYZ color 80.1034, 92.5630,

96.0826.

# 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

80.1034, 92.5630, 96.0826

### Protanopia

88.0117, 92.1280, 90.9857

### Deuteranopia

89.7720, 91.9538, 99.4036



## Tritanopia

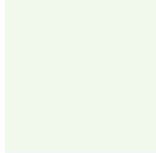
86.8773, 92.5319, 107.8893

# Trichromacy



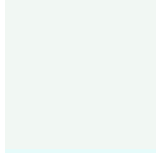
## Original Color

80.1034, 92.5630, 96.0826



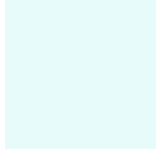
## Protanomaly

84.9512, 92.3328, 92.7015



## Deuteranomaly

85.7141, 91.6934, 97.9750



## Tritanomaly

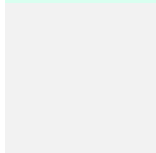
84.3856, 92.7195, 103.8915

# Monochromacy



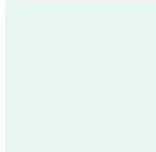
## Original Color

80.1034, 92.5630, 96.0826



## Achromatopsia

84.3971, 88.7923, 96.6948



## Achromatomaly

82.7422, 90.1960, 96.2677

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.1034, 92.5630, 96.0826 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(217, 255, 240)` looks like.

```
.text, #text, p{  
    color:rgb(217, 255, 240)  
}
```

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(217, 255, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 255, 240) }
```

## Border

The CSS property to change the border of an element to XYZ 80.1034, 92.5630, 96.0826 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".

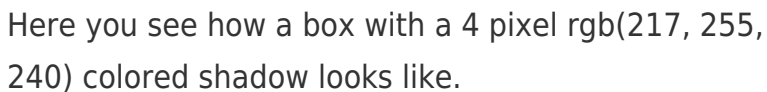
```
.border, #border, table{ border:4px solid rgb(217, 255, 240) }
```



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

```
.border{ border-color:rgb(217, 255, 240) }
```

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



Here you see how a box with a 4 pixel rgb(217, 255, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 255, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 255, 240);  
box-shadow:4px 4px 4px 4px rgb(217, 255,  
240) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.1034, 92.5630, 96.0826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 255, 240) }
```

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

```
.background{ background-color: rgb(217,  
255, 240) }
```

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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