

Converting Colors

XYZ(64.8090, 76.1878, 79.3929)

Have a look what the booklet for
XYZ(64.8090, 76.1878, 79.3929)
contains.

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Color

**XYZ(64.7518, 75.9746,
79.6584)**

Conversions

Conversions Part 1

Format	Color
Hex	C1EBDD
RGB	193, 235, 221
RGB Percent	76%, 92%, 87%
CMY	0.2431, 0.0784, 0.1333
CMYK	0.18, 0.00, 0.06, 0.08
HSL	160°, 51%, 84%
HSV	160°, 18%, 92%
XYZ	64.7518, 75.9746, 79.6584
YIQ	220.8460, -20.5380, -13.2580

Conversions

Conversions Part 2

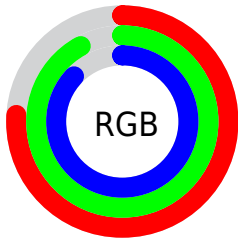
Format	Color
RYB	193, 218, 235
Decimal	12708829
CIELab	89.85, -16.28, 2.28
CIELCh	90, 16.444, 172.022
Yxy	75.9746, 0.2938, 0.3447
Android (android.graphics.Color)	4290898909 (0xFFC1EBDD)
YUV	220.8460, 0.0759, -24.4209
Hunter-Lab	87.1634, -19.9322, 6.8294

Details

The XYZ color **64.7518, 75.9746, 79.6584** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.5961, 60.3091, 67.2710**, and the grayscale version is **68.6308, 72.2049, 78.6312**.

A 20% lighter version of the original color is **93.2343, 99.0640, 108.8150**, and **33.6505, 40.4823, 42.1167** is the 20% darker color. If you saturate the color by 10%, you get **58.2112, 72.7227, 74.0308**, and if you desaturate by 10%, it is **72.2974, 79.7431, 85.5906**.

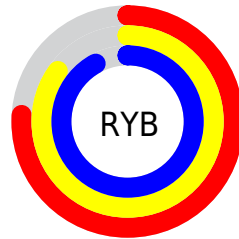
Distribution



Red (76%)

Green (92%)

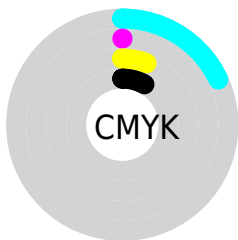
Blue (87%)



Red (76%)

Yellow (85%)

Blue (92%)

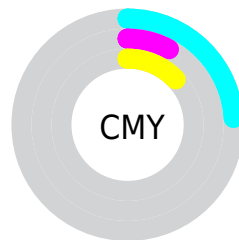


Cyan (18%)

Magenta (0%)

Yellow (6%)

Black (8%)



Cyan (24%)

Magenta (8%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.7518, 75.9746, 79.6584 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 64.7518, 75.9746, 79.6584 by changing the saturation by 10% instead.

64.7518, 75.9746,
79.6584

64.7518, 75.9746,
79.6584

431.4588,
481.2607, 513.4572

47.5238, 56.4117,
58.9128

110.7606,
127.6910, 134.6924

33.6596, 40.5331,
42.1234

140.2722,
160.6133, 169.8179

22.7939, 27.9544,
28.8716

174.6090,
198.7575, 210.5737

14.5612, 18.2913,
18.7390

214.1364,
242.5079, 257.3784

8.5963, 11.1593,
11.3069

259.2197,
292.2491, 310.6506

4.5338, 6.1741,
6.1569

310.2243,


2.0083, 2.9512,


348.3654, 370.8088


2.8704

367.5156,
411.2411, 438.2715

 0.6386, 1.1063,
1.0288

 0.0000, 0.0000,
0.0000


 64.7518, 75.9746,
79.6584


 64.7518, 75.9746,
79.6584


 58.2112, 72.7227,
74.0308


 72.2974, 79.7431,
85.5906


 52.6236, 69.9544,
68.6971

 80.8840, 84.0405,
91.8275

 47.9420, 67.6478,
63.6532

 87.3558, 87.2419,
98.2265

 44.1128, 65.7751,
58.8930

 88.5745, 87.7294,
104.6439

■ 41.0764, 64.3059,
54.4101

■ 88.9998, 87.8995,
106.8833

■ 38.7652, 63.2053,
50.1976

■ 37.0999, 62.4325,
46.2480

■ 35.9718, 61.9315,
42.5521

■ 35.7663, 61.8421,
41.7968

Harmonies

Analogous

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



66.2301, 75.9746, 69.7118



64.7518, 75.9746, 79.6584



65.2123, 75.9746, 91.3947

Triad

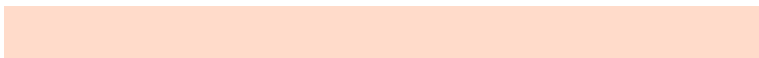
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.7518, 75.9746, 79.6584



75.1790, 75.9746, 105.2335



77.1237, 75.9746, 66.3192

Complementary

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



64.7518, 75.9746, 79.6584



64.5961, 60.3091, 67.2710

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.



79.6945, 75.9746, 74.6187



64.7518, 75.9746, 79.6584



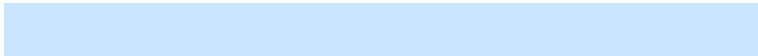
78.5428, 75.9746, 97.2610

Square

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



64.7518, 75.9746, 79.6584



71.1333, 75.9746, 106.9036



80.2234, 75.9746, 85.8661



73.3007, 75.9746, 62.4955

Rectangle

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



64.7518, 75.9746, 79.6584



66.5650, 75.9746, 98.6138



80.2234, 75.9746, 85.8661



78.1688, 75.9746, 68.6389

Sweetspot

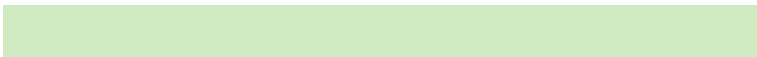
The Sweet Spot groups the original color and five complimentary colors.



64.7539, 75.9778, 79.6601



89.8369, 97.3907, 105.1231



65.2646, 76.6367, 61.8058



19.0775, 20.7700, 22.3887



0.0000, 0.0000, 0.0000



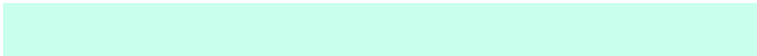
20.3446, 21.4041, 23.3091

Same Dimension

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



64.7539, 75.9778, 79.6601



75.2761, 90.1230, 93.6615



64.9265, 73.2114, 89.3102



15.2918, 17.0315, 18.2194



19.9663, 34.4410, 23.5852



1.6122, 2.7222, 2.0854

Inverse Universe

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



64.5961, 60.3091, 67.2710



75.0578, 68.3738, 76.4686



64.3815, 62.4995, 59.1236



15.2726, 15.1369, 16.7208



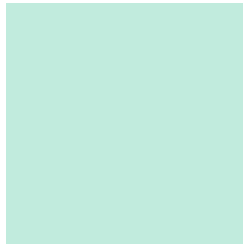
19.8929, 10.1599, 5.2376



1.6053, 0.8151, 0.6387

Previews

White Background



This preview shows how the XYZ color 64.7518, 75.9746, 79.6584 looks on a white background.

Color Contrast Check

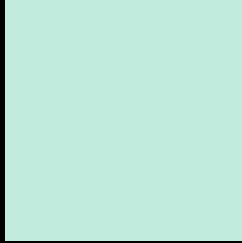
Large Text (above 18pt) WCAG AA × Fail

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 64.7518, 75.9746, 79.6584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

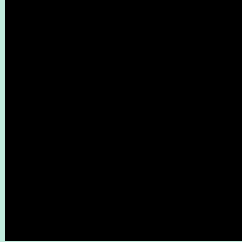
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

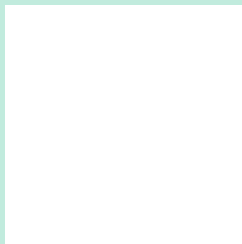
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.7518, 75.9746, 79.6584

Background



This preview shows how black text looks on a background with the XYZ color 64.7518, 75.9746, 79.6584.



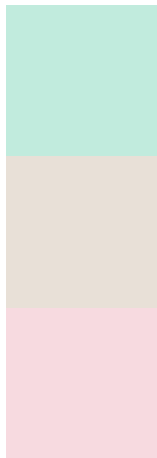
This preview shows how white text looks on a background with the XYZ color 64.7518, 75.9746,

79.6584.

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

64.7518, 75.9746, 79.6584

Protanopia

72.2001, 75.3734, 75.0331

Deuteranopia

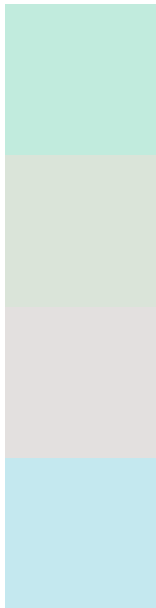
76.8837, 75.2988, 81.0029



Tritanopia

68.9635, 75.9971, 100.6567

Trichromacy



Original Color

64.7518, 75.9746, 79.6584

Protanomaly

69.1812, 75.4020, 76.5534

Deuteranomaly

71.6535, 74.9699, 80.5061

Tritanomaly

67.2016, 75.6810, 92.7273

Monochromacy



Original Color

64.7518, 75.9746, 79.6584

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

67.1115, 73.4621, 79.0491

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.7518, 75.9746, 79.6584 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(193, 235, 221)` looks like.

```
.text, #text, p{  
    color:rgb(193, 235, 221)  
}
```

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(193, 235, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 235, 221) }
```

Border

The CSS property to change the border of an element to XYZ 64.7518, 75.9746, 79.6584 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(193, 235, 221) }
```


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

```
.border{ border-color:rgb(193, 235, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 235, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 235, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 235, 221);  
box-shadow:4px 4px 4px 4px rgb(193, 235,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 64.7518, 75.9746, 79.6584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 235, 221) }
```

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

```
.background{ background-color: rgb(193,  
235, 221) }
```

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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