

Converting Colors

XYZ(65.2450, 76.2844, 80.0978)

Have a look what the booklet for
XYZ(65.2450, 76.2844, 80.0978)
contains.

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Color

**XYZ(65.1413, 76.1599,
80.3743)**

Conversions

Conversions Part 1

Format	Color
Hex	C2EBDE
RGB	194, 235, 222
RGB Percent	76%, 92%, 87%
CMY	0.2392, 0.0784, 0.1294
CMYK	0.17, 0.00, 0.06, 0.08
HSL	161°, 51%, 84%
HSV	161°, 17%, 92%
XYZ	65.1413, 76.1599, 80.3743
YIQ	221.2590, -20.2630, -12.7350

Conversions

Conversions Part 2

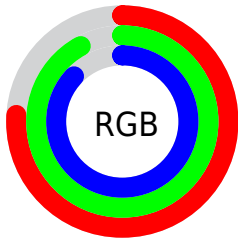
Format	Color
RYB	194, 218, 235
Decimal	12774366
CIELab	89.93, -15.78, 1.89
CIELCh	90, 15.888, 173.160
Yxy	76.1599, 0.2939, 0.3436
Android (android.graphics.Color)	4290964446 (0xFFC2EBDE)
YUV	221.2590, 0.3653, -23.9061
Hunter-Lab	87.2696, -19.4828, 6.4834

Details

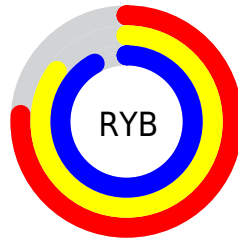
The XYZ color **65.1413, 76.1599, 80.3743** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.8179, 60.7528, 67.3450**, and the grayscale version is **68.9186, 72.5078, 78.9610**.

A 20% lighter version of the original color is **93.5937, 99.2492, 108.8318**, and **33.9104, 40.6057, 42.6096** is the 20% darker color. If you saturate the color by 10%, you get **58.6038, 72.9046, 74.9699**, and if you desaturate by 10%, it is **72.6810, 79.9309, 86.0593**.

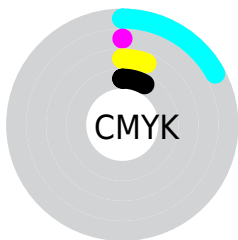
Distribution



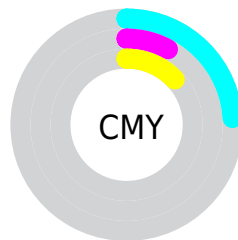
- Red (76%)
- Green (92%)
- Blue (87%)



- Red (76%)
- Yellow (85%)
- Blue (92%)



- Cyan (17%)
- Magenta (0%)
- Yellow (6%)
- Black (8%)



- Cyan (24%)
- Magenta (8%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.1413, 76.1599, 80.3743 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 65.1413, 76.1599, 80.3743 by changing the saturation by 10% instead.

65.1413, 76.1599,
80.3743

65.1413, 76.1599,
80.3743

432.8368,
481.8949, 515.9333

47.8408, 56.5636,
59.4984

111.3176,
127.9529, 135.7080

33.9115, 40.6550,
42.5918

140.9240,
160.9184, 171.0029

22.9882, 28.0496,
29.2360

175.3632,
199.1092, 211.9413

14.7055, 18.3631,
19.0123

215.0004,
242.9095, 258.9416

8.6979, 11.2110,
11.5023

260.2010,
292.7039, 312.4224

4.6002, 6.2089,
6.2873


311.3303,


2.0470, 2.9725,


348.8766, 372.8023


2.9490


368.7538,
411.8122, 440.4997


 0.6601, 1.1174,
1.0686


 0.0000, 0.0000,
0.0000


 65.1413, 76.1599,
80.3743


 65.1413, 76.1599,
80.3743


 58.6038, 72.9046,
74.9699


 72.6810, 79.9309,
86.0593

 53.0168, 70.1323,
69.8360

 81.2589, 84.2297,
92.0247

 48.3336, 67.8209,
64.9689

 87.3335, 87.2330,
98.1093

 44.5009, 65.9430,
60.3631

 88.4907, 87.6958,
104.2026

■ 41.4594, 64.4682,
56.0128

■ 88.9997, 87.8994,
106.8832

■ 39.1422, 63.3620,
51.9116

■ 37.4706, 62.5839,
48.0526

■ 36.3403, 62.0803,
44.4274

■ 36.0968, 61.9743,
43.5373

Harmonies

Analogous

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



66.5071, 76.1599, 70.6146



65.1413, 76.1599, 80.3743



65.6601, 76.1599, 91.7310

Triad

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



65.1413, 76.1599, 80.3743



75.4005, 76.1599, 104.4559



77.0136, 76.1599, 66.7835

Complementary

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



65.1413, 76.1599, 80.3743



64.8179, 60.7528, 67.3450

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.



79.5598, 76.1599, 74.7018



65.1413, 76.1599, 80.3743



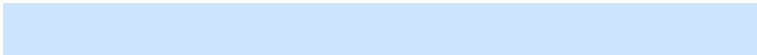
78.6051, 76.1599, 96.5894

Square

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



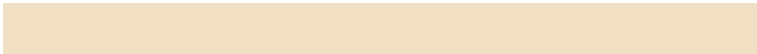
65.1413, 76.1599, 80.3743



71.4914, 76.1599, 106.3214



80.1525, 76.1599, 85.5295



73.2914, 76.1599, 63.2407

Rectangle

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



65.1413, 76.1599, 80.3743



67.0144, 76.1599, 98.6267



80.1525, 76.1599, 85.5295



78.0408, 76.1599, 68.9854

Sweetspot

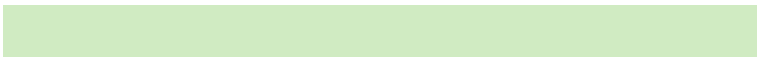
The Sweet Spot groups the original color and five complimentary colors.



65.1435, 76.1631, 80.3760



89.8696, 97.4038, 105.2951



65.3672, 76.6766, 62.3950



19.0855, 20.7731, 22.4305



0.0000, 0.0000, 0.0000



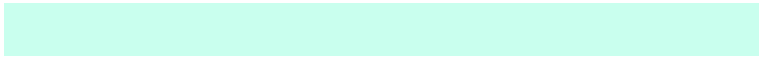
20.3446, 21.4041, 23.3091

Same Dimension

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



65.1435, 76.1631, 80.3760



75.4038, 90.1741, 94.3338



65.0353, 73.0490, 89.2731



15.3026, 17.0359, 18.2763



20.1490, 34.5141, 24.5476



1.6255, 2.7275, 2.1557

Inverse Universe

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



64.8179, 60.7528, 67.3450



74.9432, 68.3280, 75.8653



64.8488, 63.2550, 59.8317



15.2623, 15.1328, 16.6665



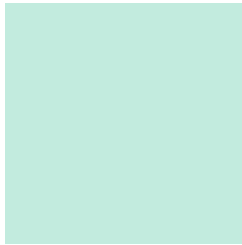
19.8167, 10.1294, 4.8362



1.5983, 0.8123, 0.6021

Previews

White Background



This preview shows how the XYZ color 65.1413, 76.1599, 80.3743 looks on a white background.

Color Contrast Check

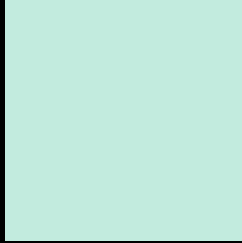
Large Text (above 18pt) WCAG AA × Fail

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 65.1413, 76.1599, 80.3743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

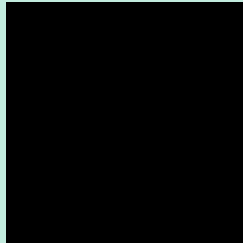
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

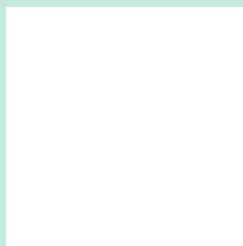
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.1413, 76.1599, 80.3743

Background



This preview shows how black text looks on a background with the XYZ color 65.1413, 76.1599, 80.3743.



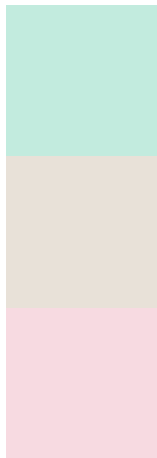
This preview shows how white text looks on a background with the XYZ color 65.1413, 76.1599,

80.3743.

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

65.1413, 76.1599, 80.3743

Protanopia

72.5986, 75.9641, 75.8019

Deuteranopia

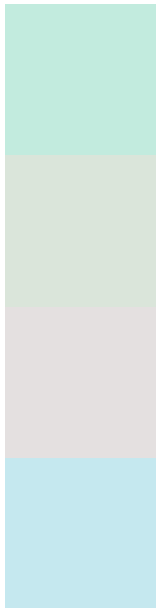
77.0198, 75.3532, 81.7194



Tritanopia

69.2280, 76.1335, 100.6691

Trichromacy



Original Color

65.1413, 76.1599, 80.3743

Protanomaly

69.5876, 76.0060, 77.3326

Deuteranomaly

72.1051, 75.1871, 81.2332

Tritanomaly

67.4626, 75.8155, 92.7396

Monochromacy



Original Color

65.1413, 76.1599, 80.3743

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 65.1413, 76.1599, 80.3743 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(194, 235, 222)` looks like.

```
.text, #text, p{  
    color:rgb(194, 235, 222)  
}
```

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(194, 235, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 235, 222) }
```

Border

The CSS property to change the border of an element to XYZ 65.1413, 76.1599, 80.3743 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(194, 235, 222) }
```


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

```
.border{ border-color:rgb(194, 235, 222) }
```

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

Here you see how a box with a 4 pixel rgb(194, 235, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 235, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 235, 222);  
box-shadow:4px 4px 4px 4px rgb(194, 235,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 65.1413, 76.1599, 80.3743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 235, 222) }
```

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

```
.background{ background-color: rgb(194,  
235, 222) }
```

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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