

Converting Colors

XYZ(64.5901, 74.8515, 80.8263)

Have a look what the booklet for
XYZ(64.5901, 74.8515, 80.8263)
contains.

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Color

**XYZ(64.7063, 75.0749,
80.8926)**

Conversions

Conversions Part 1

Format	Color
Hex	C2E9DF
RGB	194, 233, 223
RGB Percent	76%, 91%, 87%
CMY	0.2392, 0.0863, 0.1255
CMYK	0.17, 0.00, 0.04, 0.09
HSL	165°, 47%, 84%
HSV	165°, 17%, 91%
XYZ	64.7063, 75.0749, 80.8926
YIQ	220.1990, -20.0340, -11.3780

Conversions

Conversions Part 2

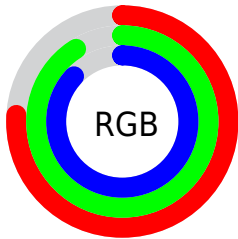
Format	Color
RYB	194, 216, 233
Decimal	12773855
CIELab	89.43, -14.58, 0.63
CIELCh	89, 14.594, 177.513
Yxy	75.0749, 0.2932, 0.3402
Android (android.graphics.Color)	4290963935 (0xFFC2E9DF)
YUV	220.1990, 1.3809, -22.9765
Hunter-Lab	86.6458, -18.3279, 5.2988

Details

The XYZ color **64.7063, 75.0749, 80.8926** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.7978, 60.2687, 65.4004**, and the grayscale version is **68.1688, 71.7189, 78.1019**.

A 20% lighter version of the original color is **93.5937, 99.2492, 108.8318**, and **33.6052, 39.8469, 42.9658** is the 20% darker color. If you saturate the color by 10%, you get **58.3977, 71.9162, 76.4666**, and if you desaturate by 10%, it is **71.9853, 78.7346, 85.5157**.

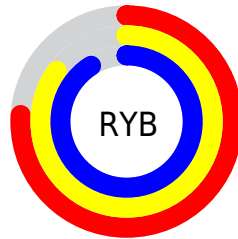
Distribution



Red (76%)

Green (91%)

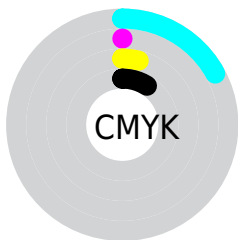
Blue (87%)



Red (76%)

Yellow (85%)

Blue (91%)

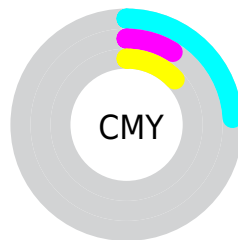


Cyan (17%)

Magenta (0%)

Yellow (4%)

Black (9%)



Cyan (24%)

Magenta (9%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.7063, 75.0749, 80.8926 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 64.7063, 75.0749, 80.8926 by changing the saturation by 10% instead.

■ 64.7063, 75.0749,
80.8926

■ 64.7063, 75.0749,
80.8926

431.2977,
478.1750, 517.7218

■ 47.4868, 55.6743,
59.9227

■ 110.6956,
126.4184, 136.4427

■ 33.6302, 39.9418,
42.9314

140.1960,
159.1300, 171.8599

■ 22.7712, 27.4932,
29.5003

174.5208,
197.0474, 212.9299

■ 14.5444, 17.9440,
19.2108

214.0354,
240.5550, 260.0714

■ 8.5845, 10.9098,
11.6443

259.1050,
290.0371, 313.7027

■ 4.5261, 6.0062,
6.3824

310.0950,

■ 2.0039, 2.8488,

345.8783, 374.2426

3.0064

367.3708,
408.4627, 442.1094

■ 0.6361, 1.0533,
1.0979

■ 0.0000, 0.0000,
0.0000

■ 64.7063, 75.0749,
80.8926

■ 64.7063, 75.0749,
80.8926

■ 58.3977, 71.9162,
76.4666

■ 71.9853, 78.7346,
85.5157

■ 53.0091, 69.2265,
72.2290


■ 80.2692, 82.9071,
90.3341


■ 48.4954, 66.9846,
68.1777


■ 86.2470, 85.8873,
95.1961


■ 44.8049, 65.1639,
64.3089


■ 87.1542, 86.2502,
99.9737


 41.8806, 63.7350,
60.6182


 88.0911, 86.6249,
104.9069

 39.6576, 62.6646,
57.1011

 88.4303, 86.7607,
106.6934

 38.0603, 61.9136,
53.7522

 36.9924, 61.4325,
50.5655

 36.7069, 61.3073,
49.5587

Harmonies

Analogous

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



65.7132, 75.0749, 71.6186



64.7063, 75.0749, 80.8926



65.4313, 75.0749, 91.1805

Triad

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



64.7063, 75.0749, 80.8926



74.5796, 75.0749, 100.4783



75.1129, 75.0749, 66.2356

Complementary

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



64.7063, 75.0749, 80.8926



63.7978, 60.2687, 65.4004

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.



77.6289, 75.0749, 72.9818



64.7063, 75.0749, 80.8926



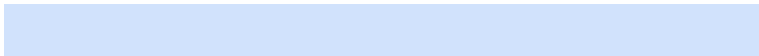
77.3138, 75.0749, 92.7810

Square

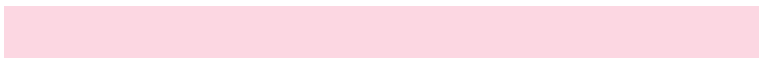
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.7063, 75.0749, 80.8926



71.0586, 75.0749, 103.0335



78.4473, 75.0749, 82.6010



71.6551, 75.0749, 63.6095

Rectangle

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



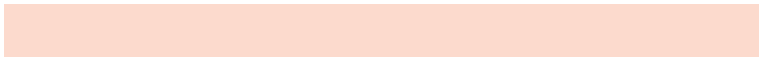
64.7063, 75.0749, 80.8926



66.8132, 75.0749, 97.1393



78.4473, 75.0749, 82.6010



76.1011, 75.0749, 68.0675

Sweetspot

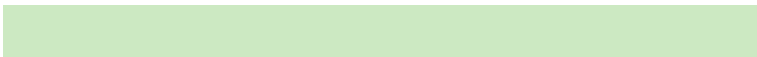
The Sweet Spot groups the original color and five complimentary colors.



64.7084, 75.0780, 80.8943



89.9917, 97.4527, 105.9384



63.8905, 75.0701, 62.1626



19.1152, 20.7850, 22.5872



0.0000, 0.0000, 0.0000



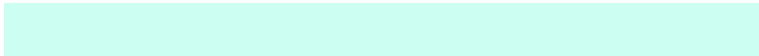
20.3446, 21.4041, 23.3091

Same Dimension

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



64.7084, 75.0780, 80.8943



76.6768, 90.7634, 97.4191



63.5872, 70.6129, 87.3728



15.3431, 17.0521, 18.4895



20.8802, 34.8065, 28.3979



1.6782, 2.7486, 2.4332

Inverse Universe

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



63.7978, 60.2687, 65.4004



75.3677, 69.4597, 75.1350



64.7239, 63.9799, 59.9780



15.2240, 15.1175, 16.4649



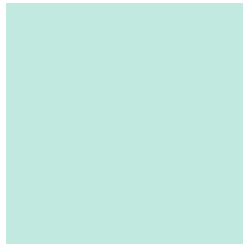
19.5695, 10.0305, 3.5345



1.5748, 0.8029, 0.4780

Previews

White Background



This preview shows how the XYZ color 64.7063, 75.0749, 80.8926 looks on a white background.

Color Contrast Check

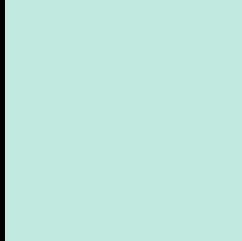
Large Text (above 18pt) WCAG AA × Fail

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 64.7063, 75.0749, 80.8926 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

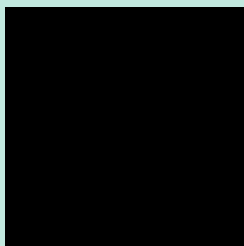
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

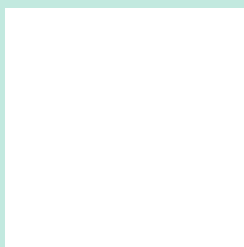
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.7063, 75.0749, 80.8926

Background



This preview shows how black text looks on a background with the XYZ color 64.7063, 75.0749, 80.8926.

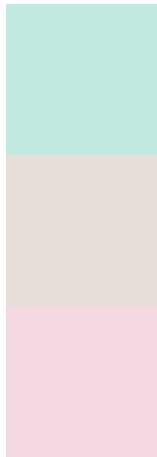


This preview shows how white text looks on a background with the XYZ color 64.7063, 75.0749,

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

64.7063, 75.0749, 80.8926

Protanopia

71.5452, 74.6081, 76.2756

Deuteranopia

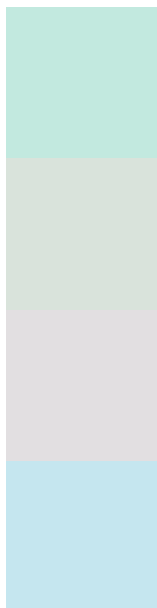
76.1965, 74.5292, 82.3211



Tritanopia

68.5158, 74.9580, 99.6641

Trichromacy



Original Color

64.7063, 75.0749, 80.8926

Protanomaly

68.8705, 74.8044, 77.8267

Deuteranomaly

71.3423, 74.3803, 81.8309

Tritanomaly

66.9028, 74.6959, 92.5530

Monochromacy



Original Color

64.7063, 75.0749, 80.8926

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

66.8403, 72.9198, 78.9587

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.7063, 75.0749, 80.8926 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, 233, 223)` looks like.

```
.text, #text, p{  
    color:rgb(194, 233, 223)  
}
```

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, 233, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 233, 223) }
```

Border

The CSS property to change the border of an element to XYZ 64.7063, 75.0749, 80.8926 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, 233, 223) }
```


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

```
.border{ border-color:rgb(194, 233, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 233, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 233, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 233, 223);  
box-shadow:4px 4px 4px 4px rgb(194, 233,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 64.7063, 75.0749, 80.8926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 233, 223) }
```

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

```
.background{ background-color: rgb(194,  
233, 223) }
```

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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