

Converting Colors

XYZ(64.3925, 75.9421, 80.5128)

Have a look what the booklet for
XYZ(64.3925, 75.9421, 80.5128)
contains.

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Color

**XYZ(64.1284, 75.6377,
80.3269)**

Conversions

Conversions Part 1

Format	Color
Hex	BEEBDE
RGB	190, 235, 222
RGB Percent	75%, 92%, 87%
CMY	0.2549, 0.0784, 0.1294
CMYK	0.19, 0.00, 0.06, 0.08
HSL	163°, 53%, 83%
HSV	163°, 19%, 92%
XYZ	64.1284, 75.6377, 80.3269
YIQ	220.0630, -22.6470, -13.5830

Conversions

Conversions Part 2

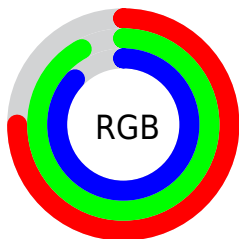
Format	Color
RYB	190, 216, 235
Decimal	12512222
CIELab	89.69, -17.03, 1.51
CIELCh	90, 17.093, 174.934
Yxy	75.6377, 0.2914, 0.3437
Android (android.graphics.Color)	4290702302 (0xFFBEEBDE)
YUV	220.0630, 0.9549, -26.3653
Hunter-Lab	86.9699, -20.5781, 6.1177

Details

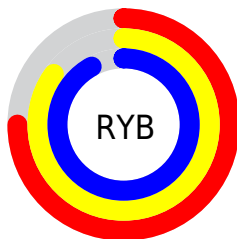
The XYZ color **64.1284, 75.6377, 80.3269** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.4566, 58.8030, 64.5088**, and the grayscale version is **68.0781, 71.6235, 77.9979**.

A 20% lighter version of the original color is **92.1678, 98.5142, 108.7651**, and **33.2485, 40.2645, 42.5787** is the 20% darker color. If you saturate the color by 10%, you get **57.8340, 72.4979, 75.3779**, and if you desaturate by 10%, it is **71.4102, 79.2863, 85.5166**.

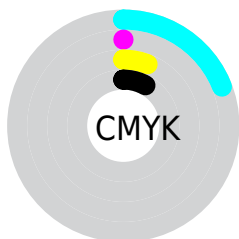
Distribution



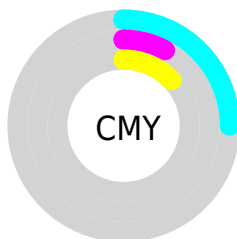
- Red (75%)
- Green (92%)
- Blue (87%)



- Red (75%)
- Yellow (85%)
- Blue (92%)



- Cyan (19%)
- Magenta (0%)
- Yellow (6%)
- Black (8%)



- Cyan (25%)
- Magenta (8%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.1284, 75.6377, 80.3269 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 64.1284, 75.6377, 80.3269 by changing the saturation by 10% instead.

64.1284, 75.6377,
80.3269

64.1284, 75.6377,
80.3269

429.2480,
480.1066, 515.7696

47.0167, 56.1355,
59.4596

109.8685,
127.2146, 135.6408

33.2569, 40.3116,
42.5608

139.2277,
160.0582, 170.9245

22.4835, 27.7815,
29.2118

173.4001,
198.1175, 211.8508

14.3312, 18.1610,
18.9942

212.7511,
241.7772, 258.8382

8.4346, 11.0657,
11.4893

257.6461,
291.4216, 312.3052

4.4284, 6.1110,
6.2787


308.4503,


1.9472, 2.9127,


347.4350, 372.6704


2.9437


365.5292,
410.2018, 440.3524


 0.6041, 1.0863,
1.0660

 0.0000, 0.0000,
0.0000


 64.1284, 75.6377,
80.3269


 64.1284, 75.6377,
80.3269


 57.8340, 72.4979,
75.3779


 71.4102, 79.2863,
85.5166


 52.4747, 69.8340,
70.6603

 79.7155, 83.4563,
90.9462

 48.0034, 67.6237,
66.1710

 87.0327, 87.1126,
96.5252

 44.3660, 65.8391,
61.9054

 88.0739, 87.5291,
102.0084

■ 41.5022, 64.4494,
57.8582

■ 88.9997, 87.8994,
106.8832

■ 39.3435, 63.4192,
54.0239

■ 37.8089, 62.7068,
50.3961

■ 36.7728, 62.2475,
46.9666

■ 36.6942, 62.2132,
46.6833

Harmonies

Analogous

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



65.4694, 75.6377, 69.7466



64.1284, 75.6377, 80.3269



64.8003, 75.6377, 92.5179

Triad

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



64.1284, 75.6377, 80.3269



75.3570, 75.6377, 105.2099



76.6414, 75.6377, 64.8071

Complementary

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



64.1284, 75.6377, 80.3269



63.4566, 58.8030, 64.5088

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.



79.4817, 75.6377, 72.9680



64.1284, 75.6377, 80.3269



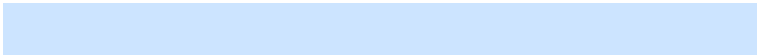
78.7201, 75.6377, 96.4017

Square

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



64.1284, 75.6377, 80.3269



71.1791, 75.6377, 107.6652



80.2568, 75.6377, 84.4202



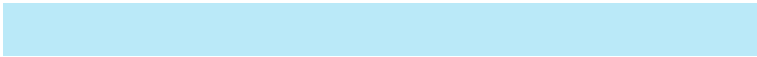
72.6083, 75.6377, 61.3617

Rectangle

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



64.1284, 75.6377, 80.3269



66.3136, 75.6377, 99.8332



80.2568, 75.6377, 84.4202



77.7735, 75.6377, 67.0488

Sweetspot

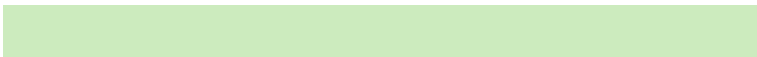
The Sweet Spot groups the original color and five complimentary colors.



64.1305, 75.6408, 80.3286



88.9397, 96.9313, 104.9414



63.7701, 75.9044, 60.0066



18.9003, 20.6788, 22.3709



0.0000, 0.0000, 0.0000



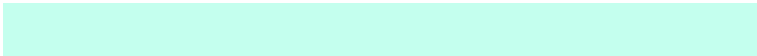
20.3446, 21.4041, 23.3091

Same Dimension

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



64.1305, 75.6408, 80.3286



74.0566, 89.4790, 94.2983



63.4294, 71.3409, 89.0279



15.3214, 17.0434, 18.3751



20.4791, 34.6461, 26.2855



1.6494, 2.7371, 2.2816

Inverse Universe

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



63.4566, 58.8030, 64.5088



73.1069, 65.7171, 71.9797



63.9811, 62.2289, 57.3558



15.2444, 15.1256, 16.5726



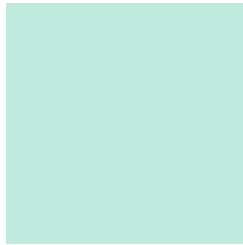
19.6947, 10.0806, 4.1936



1.5869, 0.8077, 0.5421

Previews

White Background



This preview shows how the XYZ color 64.1284, 75.6377, 80.3269 looks on a white background.

Color Contrast Check

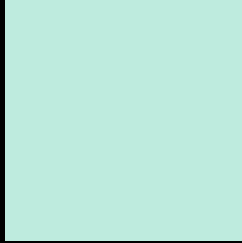
Large Text (above 18pt) WCAG AA × Fail

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 64.1284, 75.6377, 80.3269 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

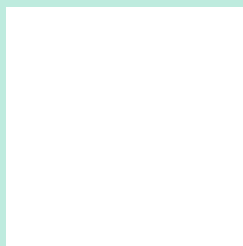
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.1284, 75.6377, 80.3269

Background



This preview shows how black text looks on a background with the XYZ color 64.1284, 75.6377, 80.3269.



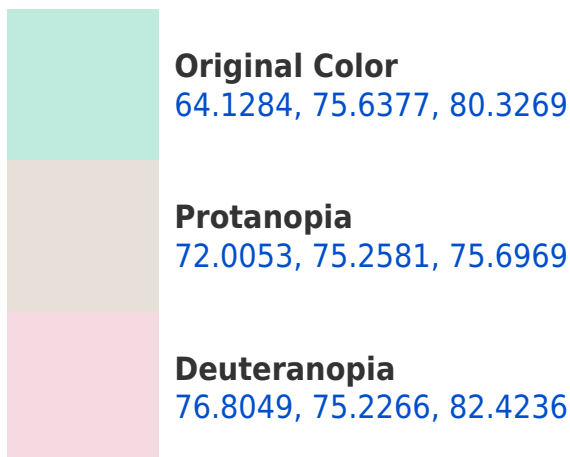
This preview shows how white text looks on a background with the XYZ color 64.1284, 75.6377,

80.3269.

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

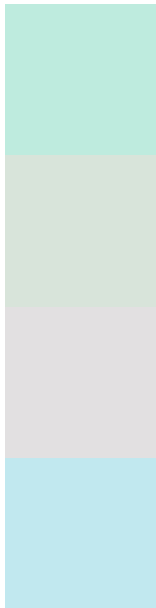




Tritanopia

68.1805, 75.5935, 100.6200

Trichromacy



Original Color

64.1284, 75.6377, 80.3269

Protanomaly

68.7172, 75.1477, 77.2128

Deuteranomaly

71.6103, 74.9163, 81.9202

Tritanomaly

66.4289, 75.2827, 92.6912

Monochromacy



Original Color

64.1284, 75.6377, 80.3269

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

66.2709, 72.6262, 78.9320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.1284, 75.6377, 80.3269 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(190, 235, 222)` looks like.

```
.text, #text, p{  
    color:rgb(190, 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(190, 235, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 235, 222) }
```

Border

The CSS property to change the border of an element to XYZ 64.1284, 75.6377, 80.3269 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(190, 235, 222) }
```


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

```
.border{ border-color:rgb(190, 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(190, 235, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 235, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 235, 222);  
box-shadow:4px 4px 4px 4px rgb(190, 235,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 64.1284, 75.6377, 80.3269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 235, 222) }
```

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

```
.background{ background-color: rgb(190,  
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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