

Converting Colors

XYZ(64.0201, 77.4161, 77.7906)

Have a look what the booklet for
XYZ(64.0201, 77.4161, 77.7906)
contains.

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Color

**XYZ(64.0149, 77.3598,
77.8876)**

Conversions

Conversions Part 1

Format	Color
Hex	BBEFDA
RGB	187, 239, 218
RGB Percent	73%, 94%, 85%
CMY	0.2667, 0.0627, 0.1451
CMYK	0.22, 0.00, 0.09, 0.06
HSL	156°, 62%, 84%
HSV	156°, 22%, 94%
XYZ	64.0149, 77.3598, 77.8876
YIQ	221.0580, -24.2510, -17.5550

Conversions

Conversions Part 2

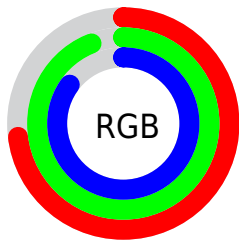
Format	Color
RYB	187, 220, 239
Decimal	12316634
CIELab	90.49, -20.72, 4.73
CIElCh	90, 21.249, 167.138
Yxy	77.3598, 0.2920, 0.3528
Android (android.graphics.Color)	4290506714 (0xFFBBEFDA)
YUV	221.0580, -1.5076, -29.8689
Hunter-Lab	87.9544, -24.0045, 9.0641

Details

The XYZ color **64.0149, 77.3598, 77.8876** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.7548, 58.4474, 67.5464**, and the grayscale version is **68.7922, 72.3747, 78.8161**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **33.2172, 41.4979, 40.9095** is the 20% darker color. If you saturate the color by 10%, you get **57.4211, 74.1044, 71.1768**, and if you desaturate by 10%, it is **71.6597, 81.1527, 85.0349**.

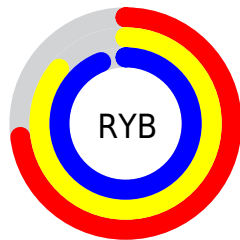
Distribution



Red (73%)

Green (94%)

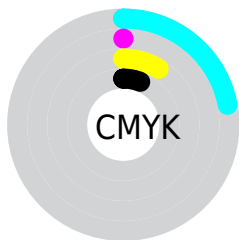
Blue (85%)



Red (73%)

Yellow (86%)

Blue (94%)

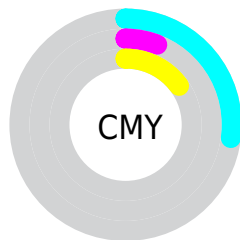


Cyan (22%)

Magenta (0%)

Yellow (9%)

Black (6%)



Cyan (27%)

Magenta (6%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.0149, 77.3598, 77.8876 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 64.0149, 77.3598, 77.8876 by changing the saturation by 10% instead.

64.0149, 77.3598,
77.8876

64.0149, 77.3598,
77.8876

428.8448,
485.9899, 507.3028

46.9245, 57.5482,
57.4657

109.7060,
129.6473, 132.1761

33.1836, 41.4456,
40.9674

139.0374,
162.8919, 166.8798

22.4271, 28.6674,
27.9741

173.1798,
201.3831, 207.1812

14.2894, 18.8294,
18.0673

212.4986,
245.5051, 253.4989

8.4053, 11.5470,
10.8284

257.3592,
295.6424, 306.2514

4.4093, 6.4361,
5.8388

308.1268,

1.9362, 3.1120,

352.1794, 365.8571

2.6801

365.1669,
415.5004, 432.7348

■ 0.5977, 1.1905,
0.9334

■ 0.0000, 0.0539,
0.0000

■ 64.0149, 77.3598,
77.8876

■ 64.0149, 77.3598,
77.8876

■ 57.4211, 74.1044,
71.1768

■ 71.6597, 81.1527,
85.0349

■ 51.8225, 71.3516,
64.8886

■ 80.3950, 85.4970,
92.6221

■ 47.1677, 69.0771,
59.0155

■ 88.8904, 89.7089,
100.5946

■ 43.3980, 67.2509,
53.5480

■ 90.1580, 90.2159,
107.2693

■ 40.4479, 65.8393,
48.4760

■ 38.2420, 64.8035,
43.7887

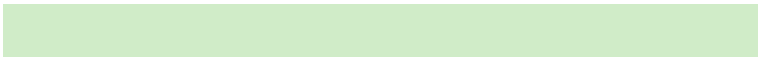
■ 36.6901, 64.0974,
39.4744

■ 35.7861, 63.7032,
36.1881

Harmonies

Analogous

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



66.2939, 77.3598, 65.8623



64.0149, 77.3598, 77.8876



64.1949, 77.3598, 93.1472

Triad

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



64.0149, 77.3598, 77.8876



76.5787, 77.3598, 115.3847



80.6958, 77.3598, 64.5613

Complementary

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



64.0149, 77.3598, 77.8876



64.7548, 58.4474, 67.5464

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.



83.7249, 77.3598, 75.9040



64.0149, 77.3598, 77.8876



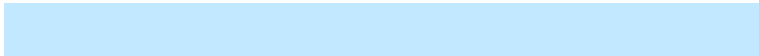
81.2705, 77.3598, 105.7336

Square

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



64.0149, 77.3598, 77.8876



71.2783, 77.3598, 116.0827



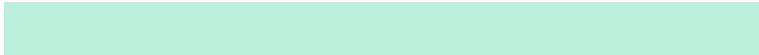
83.9401, 77.3598, 90.9112



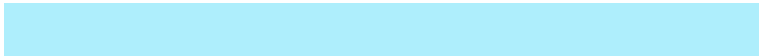
75.8249, 77.3598, 58.8151

Rectangle

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



64.0149, 77.3598, 77.8876



65.6840, 77.3598, 103.1515



83.9401, 77.3598, 90.9112



81.9732, 77.3598, 67.7794

Sweetspot

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



64.0171, 77.3630, 77.8893



87.6460, 96.3147, 102.6079



66.0390, 78.8311, 58.7501



18.6296, 20.5506, 21.8487



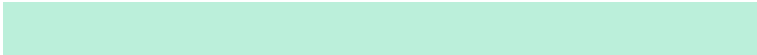
0.0000, 0.0000, 0.0000



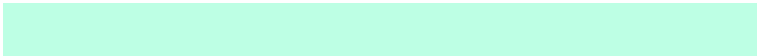
20.3446, 21.4041, 23.3091

Same Dimension

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



64.0171, 77.3630, 77.8893



70.7064, 87.9143, 86.8033



65.6891, 76.0260, 92.8775



15.9614, 17.8146, 18.8198



19.8419, 35.2288, 20.3484



1.6998, 2.9503, 1.9514

Inverse Universe

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



64.7548, 58.4474, 67.5464



71.7003, 62.4571, 72.8886



63.2722, 59.3476, 55.1352



16.0374, 15.8647, 17.7529



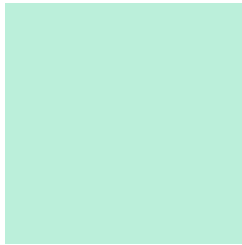
20.9127, 10.6375, 7.4567



1.7877, 0.9041, 0.8730

Previews

White Background



This preview shows how the XYZ color 64.0149, 77.3598, 77.8876 looks on a white background.

Color Contrast Check

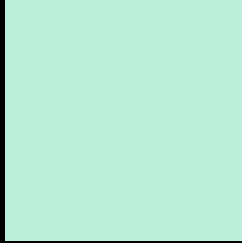
Large Text (above 18pt) WCAG AA × Fail

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 64.0149, 77.3598, 77.8876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

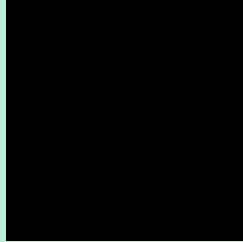
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

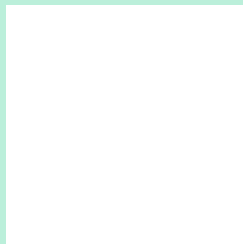
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.0149, 77.3598, 77.8876

Background



This preview shows how black text looks on a background with the XYZ color 64.0149, 77.3598, 77.8876.



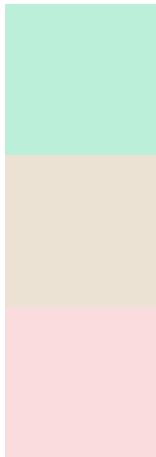
This preview shows how white text looks on a background with the XYZ color 64.0149, 77.3598,

77.8876.

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

64.0149, 77.3598, 77.8876

Protanopia

73.2152, 76.7580, 72.5849

Deuteranopia

78.5617, 76.9696, 79.8232



Tritanopia

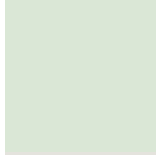
69.4006, 77.4068, 104.2117

Trichromacy



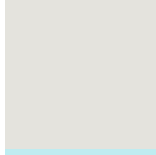
Original Color

64.0149, 77.3598, 77.8876



Protanomaly

69.6270, 76.9123, 74.7942



Deuteranomaly

72.5151, 76.6526, 79.3801



Tritanomaly

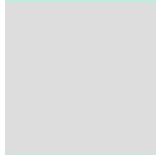
67.2095, 77.3585, 93.8275

Monochromacy



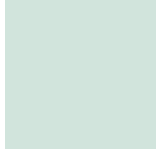
Original Color

64.0149, 77.3598, 77.8876



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

66.9562, 74.2094, 78.5050

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.0149, 77.3598, 77.8876 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(187, 239, 218)` looks like.

```
.text, #text, p{  
    color:rgb(187, 239, 218)  
}
```

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(187, 239, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 239, 218) }
```

Border

The CSS property to change the border of an element to XYZ 64.0149, 77.3598, 77.8876 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(187, 239, 218) }
```


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

```
.border{ border-color:rgb(187, 239, 218) }
```

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

Here you see how a box with a 4 pixel rgb(187, 239, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 239, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 239, 218);  
box-shadow:4px 4px 4px 4px rgb(187, 239,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 64.0149, 77.3598, 77.8876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 239, 218) }
```

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

```
.background{ background-color: rgb(187,  
239, 218) }
```

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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