

Converting Colors

XYZ(64.5398, 75.0767, 89.3459)

Have a look what the booklet for
XYZ(64.5398, 75.0767, 89.3459)
contains.

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Color

**XYZ(64.6679, 75.2829,
89.7200)**

Conversions

Conversions Part 1

Format	Color
Hex	BAEAEB
RGB	186, 234, 235
RGB Percent	73%, 92%, 92%
CMY	0.2706, 0.0823, 0.0784
CMYK	0.21, 0.00, 0.00, 0.08
HSL	181°, 55%, 83%
HSV	181°, 21%, 92%
XYZ	64.6679, 75.2829, 89.7200
YIQ	219.7620, -28.9290, -9.8650

Conversions

Conversions Part 2

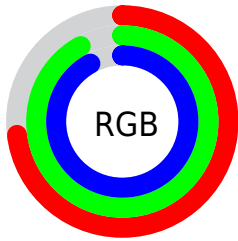
Format	Color
RYB	186, 210, 235
Decimal	12249835
CIELab	89.53, -15.09, -5.56
CIELCh	90, 16.079, 200.238
Yxy	75.2829, 0.2816, 0.3278
Android (android.graphics.Color)	4290439915 (0xFFBAEAEB)
YUV	219.7620, 7.5123, -29.6093
Hunter-Lab	86.7657, -18.8011, -0.5728

Details

The XYZ color **64.6679, 75.2829, 89.7200** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.8949, 56.7481, 54.1997**, and the grayscale version is **67.8271, 71.3594, 77.7104**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **33.5728, 40.0010, 48.5993** is the 20% darker color. If you saturate the color by 10%, you get **59.2864, 72.3088, 89.4308**, and if you desaturate by 10%, it is **70.9931, 78.7480, 90.0567**.

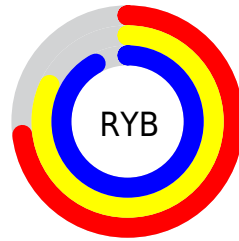
Distribution



Red (73%)

Green (92%)

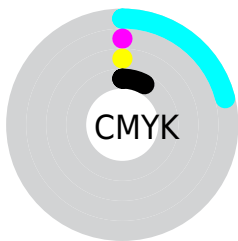
Blue (92%)



Red (73%)

Yellow (82%)

Blue (92%)

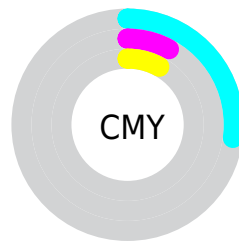


Cyan (21%)

Magenta (0%)

Yellow (0%)

Black (8%)



Cyan (27%)

Magenta (8%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.6679, 75.2829, 89.7200 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 64.6679, 75.2829, 89.7200 by changing the saturation by 10% instead.

64.6679, 75.2829,
89.7200

64.6679, 75.2829,
89.7200

431.1617,
478.8894, 547.6662

47.4555, 55.8447,
67.1760

110.6406,
126.7127, 148.8815

33.6054, 40.0784,
48.7652

140.1317,
159.4731, 186.3362

22.7521, 27.5997,
34.0690

174.4464,
197.4431, 229.5981

14.5302, 18.0241,
22.6688

213.9501,
241.0069, 279.0859

8.5745, 10.9673,
14.1461

259.0081,
290.5491, 335.2180

4.5196, 6.0449,
8.0825


309.9858,


2.0001, 2.8724,

346.4540, 398.4131


4.0592


367.2485,
409.1059, 469.0896


 0.6340, 1.0655,
1.6579


 0.0000, 0.0000,
0.3316


 64.6679, 75.2829,
89.7200


 64.6679, 75.2829,
89.7200


 59.2864, 72.3088,
89.4308


 70.9931, 78.7480,
90.0567

 54.7961, 69.7926,
89.1818

 78.2980, 82.7167,
90.4377

 51.1495, 67.7120,
88.9724

 86.0699, 86.9267,
90.8407

 48.2920, 66.0387,
88.8000

 86.2073, 87.2016,
90.8865

46.1627, 64.7414,
88.6618

86.3451, 87.4771,
90.9324

44.6918, 63.7840,
88.5546

86.4832, 87.7535,
90.9785

43.7958, 63.1236,
88.4743

86.6218, 88.0305,
91.0247

43.3538, 62.7145,
88.4187

86.7607, 88.3083,
91.0710

86.9000, 88.5869,
91.1174

Harmonies

Analogous

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



64.3333, 75.2829, 78.3404



64.6679, 75.2829, 89.7200



66.8096, 75.2829, 99.8365

Triad

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



64.6679, 75.2829, 89.7200



77.5472, 75.2829, 96.6707



72.8485, 75.2829, 62.3640

Complementary

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



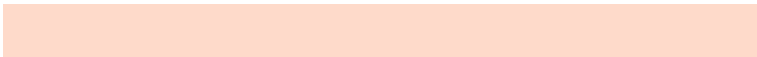
64.6679, 75.2829, 89.7200



60.8949, 56.7481, 54.1997

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.



76.5181, 75.2829, 66.3738



64.6679, 75.2829, 89.7200



79.2961, 75.2829, 85.7106

Square

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



64.6679, 75.2829, 89.7200



74.2113, 75.2829, 104.0982



78.9127, 75.2829, 74.6802



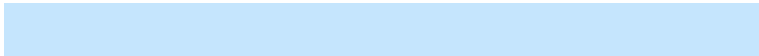
68.9612, 75.2829, 63.2238

Rectangle

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



64.6679, 75.2829, 89.7200



69.0190, 75.2829, 104.1707



78.9127, 75.2829, 74.6802



74.1506, 75.2829, 63.1719

Sweetspot

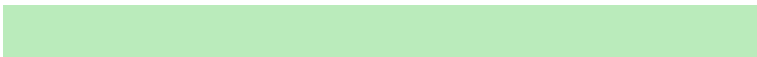
The Sweet Spot groups the original color and five complimentary colors.



64.6701, 75.2860, 89.7217



89.5442, 97.0143, 108.6139



58.9094, 73.4371, 57.9822



19.0435, 20.6984, 23.2414



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.



64.6701, 75.2860, 89.7217



74.9464, 89.0240, 107.8410



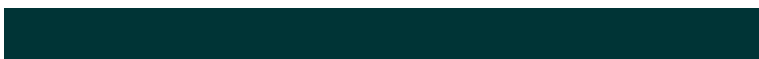
58.2149, 62.3757, 87.5700



15.4899, 17.0662, 19.4000



24.1402, 34.9274, 49.2123



1.9040, 2.7594, 3.8671

Inverse Universe

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



66.6729, 58.7221, 85.6659



77.7672, 65.7675, 102.1123



66.4982, 67.9548, 56.0675



15.7008, 15.3082, 18.9758



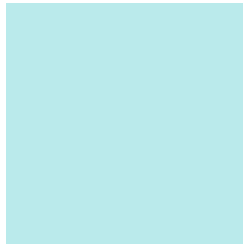
27.0402, 13.0188, 42.8743



2.1275, 1.0240, 3.3890

Previews

White Background



This preview shows how the XYZ color 64.6679, 75.2829, 89.7200 looks on a white background.

Color Contrast Check

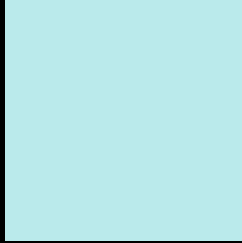
Large Text (above 18pt) WCAG AA × Fail

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 64.6679, 75.2829, 89.7200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

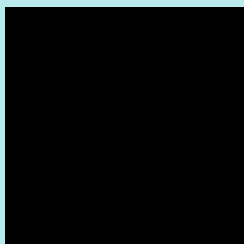
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

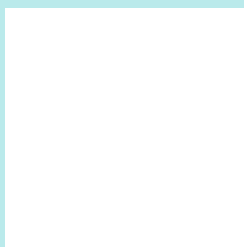
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.6679, 75.2829, 89.7200

Background



This preview shows how black text looks on a background with the XYZ color 64.6679, 75.2829, 89.7200.



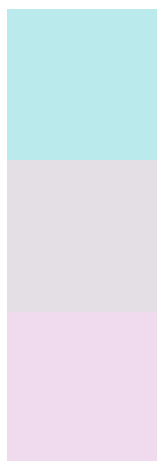
This preview shows how white text looks on a background with the XYZ color 64.6679, 75.2829,

89.7200.

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

64.6679, 75.2829, 89.7200

Protanopia

72.2091, 74.7634, 84.7537

Deuteranopia

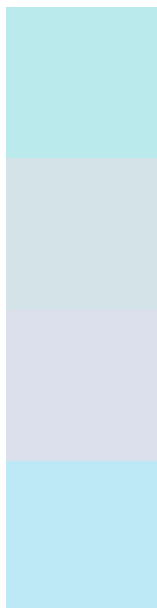
76.4392, 74.8411, 91.3059



Tritanopia

67.0982, 75.4342, 101.4663

Trichromacy



Original Color

64.6679, 75.2829, 89.7200

Protanomaly

69.0443, 74.7047, 86.3817

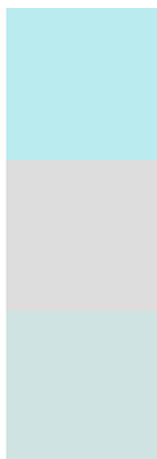
Deuteranomaly

71.4569, 74.6414, 90.7618

Tritanomaly

66.3594, 75.5618, 97.4736

Monochromacy



Original Color

64.6679, 75.2829, 89.7200

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

66.5282, 72.6966, 81.7596

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6679, 75.2829, 89.7200 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(186, 234, 235)` looks like.

```
.text, #text, p{  
    color:rgb(186, 234, 235)  
}
```

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(186, 234, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 234, 235) }
```

Border

The CSS property to change the border of an element to XYZ 64.6679, 75.2829, 89.7200 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(186, 234, 235) }
```


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

```
.border{ border-color:rgb(186, 234, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 234, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 234, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 234, 235);  
box-shadow:4px 4px 4px 4px rgb(186, 234,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6679, 75.2829, 89.7200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 234, 235) }
```

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

```
.background{ background-color: rgb(186,  
234, 235) }
```

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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