

Converting Colors

XYZ(48.3258, 56.6813, 66.2189)

Have a look what the booklet for
XYZ(48.3258, 56.6813, 66.2189)
contains.

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Color

**XYZ(48.4365, 56.8200,
66.1721)**

Conversions

Conversions Part 1

Format	Color
Hex	A3CFCD
RGB	163, 207, 205
RGB Percent	64%, 81%, 80%
CMY	0.3608, 0.1882, 0.1961
CMYK	0.21, 0.00, 0.01, 0.19
HSL	177°, 31%, 73%
HSV	177°, 21%, 81%
XYZ	48.4365, 56.8200, 66.1721
YIQ	193.6160, -25.5820, -9.9500

Conversions

Conversions Part 2

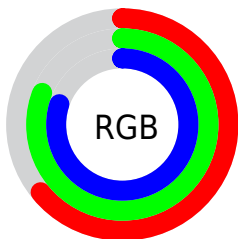
Format	Color
RYB	163, 186, 207
Decimal	10735565
CIELab	80.08, -14.75, -3.76
CIELCh	80, 15.225, 194.283
Yxy	56.8200, 0.2825, 0.3314
Android (android.graphics.Color)	4288925645 (0xFFA3CFCD)
YUV	193.6160, 5.6123, -26.8502
Hunter-Lab	75.3790, -17.2141, 0.7171

Details

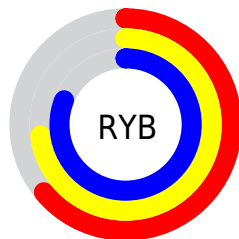
The XYZ color **48.4365, 56.8200, 66.1721** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.6228, 42.1779, 41.3361**, and the grayscale version is **51.0313, 53.6890, 58.4673**.

A 20% lighter version of the original color is **83.0234, 93.8001, 108.3372**, and **23.4076, 28.3318, 33.5130** is the 20% darker color. If you saturate the color by 10%, you get **44.4272, 54.7677, 65.3937**, and if you desaturate by 10%, it is **53.1435, 59.2349, 66.9892**.

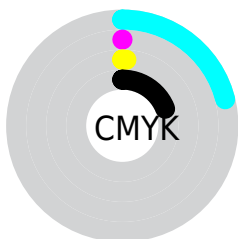
Distribution



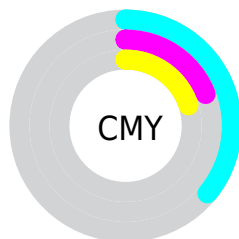
- Red (64%)
- Green (81%)
- Blue (80%)



- Red (64%)
- Yellow (73%)
- Blue (81%)



- Cyan (21%)
- Magenta (0%)
- Yellow (1%)
- Black (19%)



- Cyan (36%)
- Magenta (19%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4365, 56.8200, 66.1721 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 48.4365, 56.8200, 66.1721 by changing the saturation by 10% instead.

■ 48.4365, 56.8200,
66.1721

■ 48.4365, 56.8200,
66.1721

371.0736,
412.7745, 465.4131

■ 34.3854, 40.8607,
47.9548

■ 87.0597, 100.2025,
115.3627

■ 23.3541, 28.2103,
33.4313

■ 112.3625,
128.3945, 147.1730

■ 14.9773, 18.4842,
22.1833

142.1466,
161.4329, 184.3513

■ 8.8897, 11.2982,
13.7920

176.7773,
199.7021, 227.3163

■ 4.7258, 6.2678,
7.8391

216.6200,
243.5865, 276.4864

■ 2.1204, 3.0086,
3.9058

262.0401,

■ 0.7003, 1.1362,

293.4704, 332.2803

1.5738

313.4028,
349.7383, 395.1163

■ 0.0000, 0.0087,
0.2720

■ 0.0000, 0.0000,
0.0000

■ 48.4365, 56.8200,
66.1721

■ 48.4365, 56.8200,
66.1721

■ 44.4272, 54.7677,
65.3937

■ 53.1435, 59.2349,
66.9892

■ 41.0770, 53.0536,
64.6485

■ 58.5748, 62.0215,
67.8425

■ 38.3510, 51.6613,
63.9360

■ 64.7614, 65.1975,
68.7348

■ 36.2091, 50.5699,
63.2545

■ 71.7313, 68.7772,
69.6673

■ 34.6066, 49.7566,
62.6017

■ 75.1509, 70.5266,
70.4373

■ 33.4923, 49.1949,
61.9753

■ 75.2685, 70.5736,
71.0564

■ 32.8051, 48.8533,
61.3725

■ 75.3868, 70.6209,
71.6790

■ 32.4588, 48.6857,
60.8602

■ 75.5057, 70.6685,
72.3054

■ 75.6253, 70.7163,
72.9354

Harmonies

Analogous

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



48.4724, 56.8200, 57.3603



48.4365, 56.8200, 66.1721



49.8527, 56.8200, 74.5587

Triad

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



48.4365, 56.8200, 66.1721



58.2722, 56.8200, 74.9012



55.6354, 56.8200, 46.8561

Complementary

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



48.4365, 56.8200, 66.1721



45.6228, 42.1779, 41.3361

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.



58.3832, 56.8200, 50.7046



48.4365, 56.8200, 66.1721



59.9449, 56.8200, 66.6045

Square

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



48.4365, 56.8200, 66.1721



55.4886, 56.8200, 79.9153



59.9862, 56.8200, 57.7534



52.5495, 56.8200, 46.7643

Rectangle

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



48.4365, 56.8200, 66.1721



51.4620, 56.8200, 78.5445



59.9862, 56.8200, 57.7534



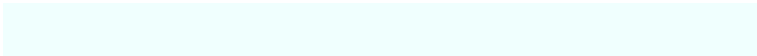
56.6319, 56.8200, 47.7356

Sweetspot

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



48.4381, 56.8223, 66.1734



89.5315, 97.1680, 108.0575



44.4840, 55.2932, 42.9793



19.0405, 20.7349, 23.1094



0.0000, 0.0000, 0.0000



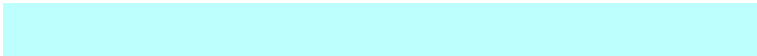
20.3446, 21.4041, 23.3091

Same Dimension

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



48.4381, 56.8223, 66.1734



74.2398, 89.3276, 105.4098



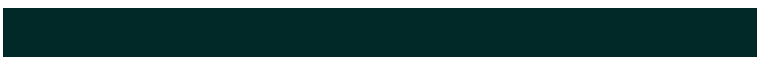
44.1811, 47.9189, 65.9549



12.1342, 13.3974, 15.0629



20.4594, 30.6767, 38.3946



1.1513, 1.7182, 2.1855

Inverse Universe

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



45.6228, 42.1779, 41.3361



68.8563, 61.3195, 57.9121



49.2372, 49.6962, 41.6485



11.8302, 11.8168, 12.3818



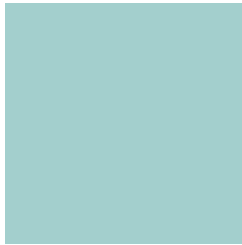
16.2544, 8.3746, 0.9797



0.9167, 0.4714, 0.0960

Previews

White Background



This preview shows how the XYZ color 48.4365, 56.8200, 66.1721 looks on a white background.

Color Contrast Check

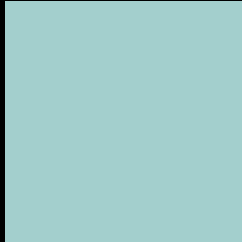
Large Text (above 18pt) WCAG AA × Fail

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 48.4365, 56.8200, 66.1721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

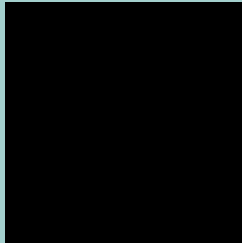
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.4365, 56.8200, 66.1721

Background



This preview shows how black text looks on a background with the XYZ color 48.4365, 56.8200, 66.1721.



This preview shows how white text looks on a background with the XYZ color 48.4365, 56.8200,

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

48.4365, 56.8200, 66.1721

Protanopia

54.3624, 56.4735, 62.0681

Deuteranopia

57.6754, 56.3995, 67.5209



Tritanopia

50.6084, 56.9901, 76.7395

Trichromacy



Original Color

48.4365, 56.8200, 66.1721

Protanomaly

51.9228, 56.5551, 63.4379

Deuteranomaly

53.7344, 56.0396, 67.0161

Tritanomaly

49.8541, 57.0482, 72.6738

Monochromacy



Original Color

48.4365, 56.8200, 66.1721

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

50.1449, 54.9913, 61.3976

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4365, 56.8200, 66.1721 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(163, 207, 205)` looks like.

```
.text, #text, p{  
    color:rgb(163, 207, 205)  
}
```

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(163, 207, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 207, 205) }
```

Border

The CSS property to change the border of an element to XYZ 48.4365, 56.8200, 66.1721 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(163, 207, 205) }
```


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

```
.border{ border-color:rgb(163, 207, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 207, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 207, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 207, 205);  
box-shadow:4px 4px 4px 4px rgb(163, 207,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4365, 56.8200, 66.1721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 207, 205) }
```

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

```
.background{ background-color: rgb(163,  
207, 205) }
```

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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