

Converting Colors

XYZ(45.0748, 49.8872, 64.8988)

Have a look what the booklet for
XYZ(45.0748, 49.8872, 64.8988)
contains.

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Color

**XYZ(45.1789, 49.9996,
65.0273)**

Conversions

Conversions Part 1

Format	Color
Hex	A4C0CD
RGB	164, 192, 205
RGB Percent	64%, 75%, 80%
CMY	0.3569, 0.2470, 0.1961
CMYK	0.20, 0.06, 0.00, 0.20
HSL	199°, 29%, 72%
HSV	199°, 20%, 80%
XYZ	45.1789, 49.9996, 65.0273
YIQ	185.1100, -20.8610, -1.8930

Conversions

Conversions Part 2

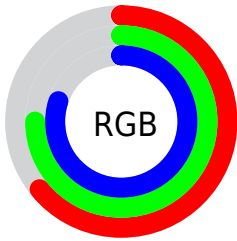
Format	Color
RYB	164, 181, 205
Decimal	10797261
CIELab	76.07, -6.64, -9.69
CIElCh	76, 11.741, 235.586
Yxy	49.9996, 0.2820, 0.3121
Android (android.graphics.Color)	4288987341 (0xFFA4C0CD)
YUV	185.1100, 9.8058, -18.5135
Hunter-Lab	70.7104, -9.6944, -5.0275

Details

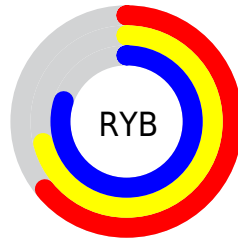
The XYZ color **45.1789, 49.9996, 65.0273** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.6002, 47.1036, 41.7060**, and the grayscale version is **46.1319, 48.5344, 52.8540**.

A 20% lighter version of the original color is **80.8308, 89.4149, 107.6063**, and **21.5006, 24.1443, 32.8053** is the 20% darker color. If you saturate the color by 10%, you get **39.8893, 45.2021, 64.3809**, and if you desaturate by 10%, it is **51.2165, 55.2787, 65.7289**.

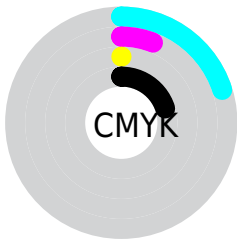
Distribution



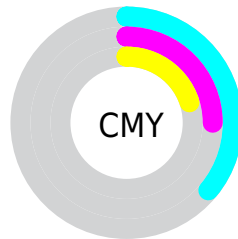
- Red (64%)
- Green (75%)
- Blue (80%)



- Red (64%)
- Yellow (71%)
- Blue (80%)



- Cyan (20%)
- Magenta (6%)
- Yellow (0%)
- Black (20%)



- Cyan (36%)
- Magenta (25%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.1789, 49.9996, 65.0273 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 45.1789, 49.9996, 65.0273 by changing the saturation by 10% instead.

■ 45.1789, 49.9996,
65.0273

■ 45.1789, 49.9996,
65.0273

358.2691,
386.6644, 461.1990

■ 31.8002, 35.4131,
47.0317

■ 82.2242, 90.1743,
113.7028

■ 21.3638, 23.9812,
32.7062

■ 106.6216,
116.5312, 145.2197

■ 13.5041, 15.3197,
21.6322

135.4226,
147.5805, 182.0809

■ 7.8560, 9.0441,
13.3912

168.9925,
183.7063, 224.7049

■ 4.0540, 4.7699,
7.5646

207.6968,
225.2933, 273.5101

■ 1.7327, 2.1129,
3.7339

251.9008,

■ 0.4766, 0.6719,

272.7257, 328.9152

1.4805

301.9698,
326.3879, 391.3386

■ 0.0000, 0.0000,
0.2033

■ 0.0000, 0.0000,
0.0000

■ 45.1789, 49.9996,
65.0273

■ 45.1789, 49.9996,
65.0273

■ 39.8893, 45.2021,
64.3809

■ 51.2165, 55.2787,
65.7289

■ 35.3097, 40.8618,
63.7845

■ 58.0287, 61.0507,
66.4839

■ 31.4055, 36.9608,
63.2373

■ 65.6465, 67.3338,
67.2952

■ 28.1373, 33.4775,
62.7372

■ 74.0976, 74.1434,
68.1641

■ 25.4612, 30.3882,
62.2820

■ 79.0492, 79.2471,
68.8883

■ 23.3273, 27.6656,
61.8689

■ 80.8345, 82.8177,
69.4834

■ 21.6766, 25.2782,
61.4951

■ 82.6873, 86.5233,
70.1010

■ 20.3998, 23.1682,
61.1551

■ 84.6084, 90.3655,
70.7414

■ 20.3997, 23.1681,
61.1551

■ 86.5985, 94.3456,
71.4047

Harmonies

Analogous

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



43.8194, 49.9996, 59.8265



45.1789, 49.9996, 65.0273



47.1993, 49.9996, 67.3953

Triad

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



45.1789, 49.9996, 65.0273



51.8539, 49.9996, 55.3760



45.7247, 49.9996, 44.2563

Complementary

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



45.1789, 49.9996, 65.0273



47.6002, 47.1036, 41.7060

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.



47.8485, 49.9996, 43.2632



45.1789, 49.9996, 65.0273



51.4299, 49.9996, 49.3889

Square

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



45.1789, 49.9996, 65.0273



51.0885, 49.9996, 61.5576



49.9471, 49.9996, 45.0710



44.1276, 49.9996, 47.8953

Rectangle

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



45.1789, 49.9996, 65.0273



48.6655, 49.9996, 66.9255



49.9471, 49.9996, 45.0710



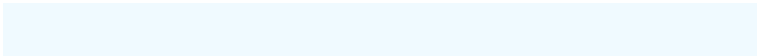
46.3988, 49.9996, 43.6146

Sweetspot

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



45.1804, 50.0016, 65.0284



88.1156, 94.1571, 108.1377



45.0762, 54.7297, 49.7753



18.7050, 20.0213, 23.1286



0.0000, 0.0000, 0.0000



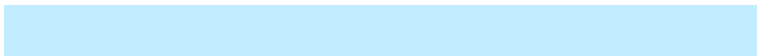
20.3446, 21.4041, 23.3091

Same Dimension

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



45.1804, 50.0016, 65.0284



70.1270, 78.4232, 106.0488



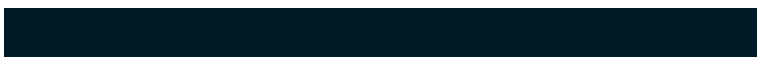
40.9909, 41.6227, 63.6319



11.2317, 12.1038, 14.3147



12.7881, 14.6002, 38.1004



0.7261, 0.8859, 1.9877

Inverse Universe

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



47.9679, 43.3369, 55.7082



75.5694, 65.7875, 87.7671



51.9547, 55.8127, 43.1575



11.5303, 11.3409, 13.3272



18.6658, 9.2769, 16.4904



0.9964, 0.4920, 1.0270

Previews

White Background



This preview shows how the XYZ color 45.1789, 49.9996, 65.0273 looks on a white background.

Color Contrast Check

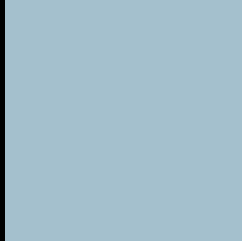
Large Text (above 18pt) WCAG AA × Fail

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 45.1789, 49.9996, 65.0273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

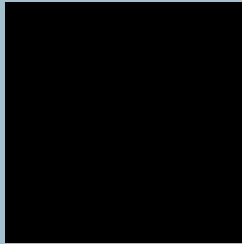
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

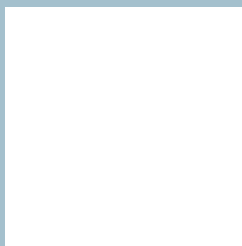
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.1789, 49.9996, 65.0273

Background



This preview shows how black text looks on a background with the XYZ color 45.1789, 49.9996, 65.0273.

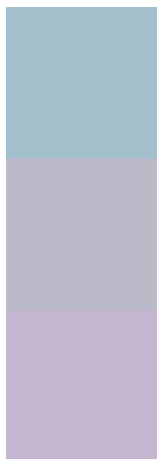


This preview shows how white text looks on a background with the XYZ color 45.1789, 49.9996,

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

45.1789, 49.9996, 65.0273

Protanopia

48.3512, 49.7740, 62.3173

Deuteranopia

50.7554, 49.6967, 65.9488



Tritanopia

45.4220, 50.0968, 66.3071

Trichromacy



Original Color

45.1789, 49.9996, 65.0273

Protanomaly

47.0040, 49.6957, 62.9920

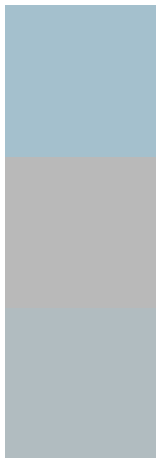
Deuteranomaly

48.4666, 49.7644, 65.4435

Tritanomaly

45.3001, 50.0480, 65.6652

Monochromacy



Original Color

45.1789, 49.9996, 65.0273

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.6291, 49.1193, 56.9452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1789, 49.9996, 65.0273 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(164, 192, 205)` looks like.

```
.text, #text, p{  
    color:rgb(164, 192, 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(164, 192, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 192, 205) }
```

Border

The CSS property to change the border of an element to XYZ 45.1789, 49.9996, 65.0273 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(164, 192, 205) }
```


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

```
.border{ border-color:rgb(164, 192, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 192, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 192, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 192, 205);  
box-shadow:4px 4px 4px 4px rgb(164, 192,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1789, 49.9996, 65.0273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 192, 205) }
```

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

```
.background{ background-color: rgb(164,  
192, 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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