

Converting Colors

XYZ(45.2746, 48.7833, 54.4919)

Have a look what the booklet for
XYZ(45.2746, 48.7833, 54.4919)
contains.

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Color

**XYZ(45.2075, 48.6365,
54.5820)**

Conversions

Conversions Part 1

Format	Color
Hex	B2BBBC
RGB	178, 187, 188
RGB Percent	70%, 73%, 74%
CMY	0.3020, 0.2666, 0.2627
CMYK	0.05, 0.01, 0.00, 0.26
HSL	186°, 7%, 72%
HSV	186°, 5%, 74%
XYZ	45.2075, 48.6365, 54.5820
YIQ	184.4230, -5.6850, -1.5970

Conversions

Conversions Part 2

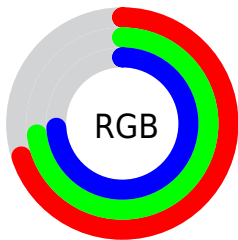
Format	Color
R_{YB}	178, 183, 188
Decimal	11713468
CIE Lab	75.22, -2.91, -1.59
CIE LCh	75, 3.321, 208.663
Yxy	48.6365, 0.3046, 0.3277
Android (android.graphics.Color)	4289903548 (0xFFB2BBBC)
YUV	184.4230, 1.7635, -5.6330
Hunter-Lab	69.7399, -6.3357, 2.4145

Details

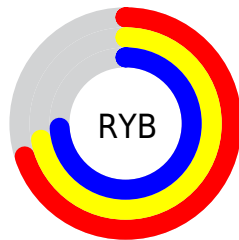
The XYZ color **45.2075, 48.6365, 54.5820** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.8950, 46.1453, 48.6609**, and the grayscale version is **45.7878, 48.1724, 52.4597**.

A 20% lighter version of the original color is **82.3114, 88.1253, 98.2596**, and **21.3557, 23.1594, 26.2663** is the 20% darker color. If you saturate the color by 10%, you get **40.7915, 45.7750, 54.2632**, and if you desaturate by 10%, it is **50.2227, 51.8173, 54.9324**.

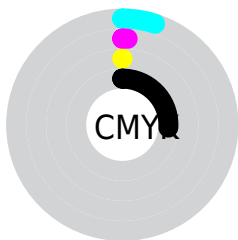
Distribution



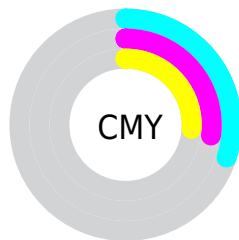
- Red (70%)
- Green (73%)
- Blue (74%)



- Red (70%)
- Yellow (72%)
- Blue (74%)



- Cyan (5%)
- Magenta (1%)
- Yellow (0%)
- Black (26%)



- Cyan (30%)
- Magenta (27%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2075, 48.6365, 54.5820 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 45.2075, 48.6365, 54.5820 by changing the saturation by 10% instead.

■ 45.2075, 48.6365,
54.5820

■ 45.2075, 48.6365,
54.5820

358.3829,
381.3095, 421.5627

■ 31.8229, 34.3312,
38.6708

■ 82.2668, 88.1513,
98.3932

■ 21.3811, 23.1482,
26.1979

106.6723,
114.1297, 127.1304

■ 13.5169, 14.7029,
16.7446

135.4820,
144.7678, 160.9800

■ 7.8649, 8.6112,
9.8926

169.0614,
180.4502, 200.3604

■ 4.0597, 4.4884,
5.2231

207.7759,
221.5611, 245.6904

■ 1.7360, 1.9504,
2.3177

251.9907,

■ 0.4786, 0.5784,

268.4851, 297.3884

0.7411

302.0712,
321.6064, 355.8730

■ 0.0000, 0.0000,
0.0000

■ 45.2075, 48.6365,
54.5820

■ 45.2075, 48.6365,
54.5820

■ 40.7915, 45.7750,
54.2632

■ 50.2227, 51.8173,
54.9324

■ 36.9466, 43.2142,
53.9715

■ 55.8554, 55.3229,
55.3121

■ 33.6487, 40.9430,
53.7070

■ 62.1284, 59.1663,
55.7234

■ 30.8702, 38.9472,
53.4682

■ 69.0620, 63.3580,
56.1670

■ 28.5813, 37.2114,
53.2538

■ 70.1417, 64.5398,
56.3382

■ 26.7490, 35.7185,
53.0622

■ 70.5681, 65.3926,
56.4803

■ 25.3363, 34.4495,
52.8917

■ 70.9998, 66.2560,
56.6242

■ 24.3003, 33.3822,
52.7403

■ 71.4368, 67.1300,
56.7699

■ 23.5882, 32.4893,
52.6055

■ 71.8792, 68.0148,
56.9174

Harmonies

Analogous

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



45.0666, 48.6365, 52.8786



45.2075, 48.6365, 54.5820



45.6211, 48.6365, 55.8736

Triad

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



45.2075, 48.6365, 54.5820



47.2351, 48.6365, 54.7205



46.2549, 48.6365, 49.6740

Complementary

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



45.2075, 48.6365, 54.5820



44.8950, 46.1453, 48.6609

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.



46.8393, 48.6365, 50.1435



45.2075, 48.6365, 54.5820



47.4083, 48.6365, 53.0352

Square

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



45.2075, 48.6365, 54.5820



46.7915, 48.6365, 55.9548



47.2628, 48.6365, 51.3643



45.6681, 48.6365, 50.0680

Rectangle

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



45.2075, 48.6365, 54.5820



45.9977, 48.6365, 56.3140



47.2628, 48.6365, 51.3643



46.4581, 48.6365, 49.7359

Sweetspot

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



45.2089, 48.6386, 54.5831



84.7981, 89.9781, 99.1244



44.4638, 48.6801, 49.6129



18.2555, 19.3621, 21.3177



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



45.2089, 48.6386, 54.5831



81.2712, 87.7243, 98.8752



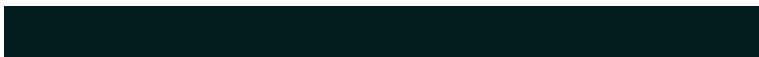
44.2000, 46.6207, 54.2468



10.0119, 10.8274, 12.2344



15.9040, 21.9197, 35.7856



0.6467, 0.9062, 1.4097

Inverse Universe

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



45.6301, 46.1209, 53.5135



82.1429, 82.5239, 96.6596



45.8815, 48.1182, 48.9897



10.1275, 10.1386, 11.9404



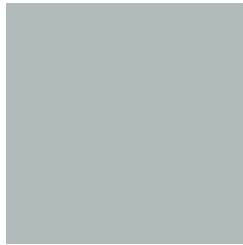
19.0284, 9.2425, 26.5067



0.7574, 0.3668, 1.1015

Previews

White Background



This preview shows how the XYZ color 45.2075, 48.6365, 54.5820 looks on a white background.

Color Contrast Check

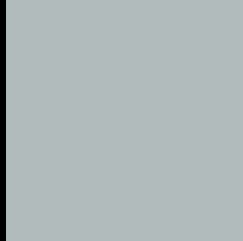
Large Text (above 18pt) WCAG AA × Fail

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 45.2075, 48.6365, 54.5820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

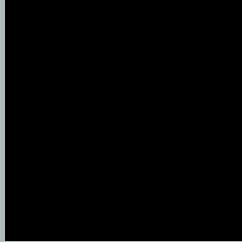
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

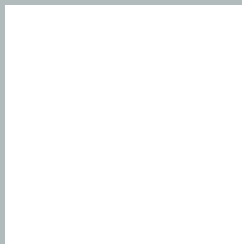
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.2075, 48.6365, 54.5820

Background



This preview shows how black text looks on a background with the XYZ color 45.2075, 48.6365, 54.5820.



This preview shows how white text looks on a background with the XYZ color 45.2075, 48.6365,

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

45.2075, 48.6365, 54.5820

Protanopia

46.7425, 48.5175, 53.3556

Deuteranopia

49.5018, 48.3754, 55.4436



Tritanopia

46.5967, 48.5714, 61.5629

Trichromacy



Original Color

45.2075, 48.6365, 54.5820

Protanomaly

46.0858, 48.4761, 53.9416

Deuteranomaly

47.9056, 48.4675, 54.9744

Tritanomaly

46.1131, 48.6870, 59.1917

Monochromacy



Original Color

45.2075, 48.6365, 54.5820

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.3973, 48.1458, 52.7993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2075, 48.6365, 54.5820 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(178, 187, 188) looks like.

```
.text, #text, p{  
    color:rgb(178, 187, 188)  
}
```

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(178, 187, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 187, 188) }
```

Border

The CSS property to change the border of an element to XYZ 45.2075, 48.6365, 54.5820 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(178, 187, 188) }
```


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

```
.border{ border-color:rgb(178, 187, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 187, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 187, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 187, 188);  
box-shadow:4px 4px 4px 4px rgb(178, 187,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2075, 48.6365, 54.5820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 187, 188) }
```

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

```
.background{ background-color: rgb(178,  
187, 188) }
```

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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