

Converting Colors

XYZ(45.6348, 49.1580, 55.8080)

Have a look what the booklet for
XYZ(45.6348, 49.1580, 55.8080)
contains.

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Color

**XYZ(45.6376, 49.1491,
55.7966)**

Conversions

Conversions Part 1

Format	Color
Hex	B2BCBE
RGB	178, 188, 190
RGB Percent	70%, 74%, 75%
CMY	0.3020, 0.2627, 0.2549
CMYK	0.06, 0.01, 0.00, 0.25
HSL	190°, 8%, 72%
HSV	190°, 6%, 75%
XYZ	45.6376, 49.1491, 55.7966
YIQ	185.2380, -6.6020, -1.4980

Conversions

Conversions Part 2

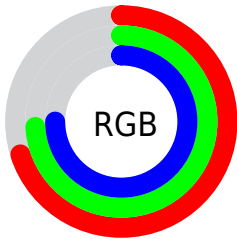
Format	Color
RYB	178, 183, 190
Decimal	11713726
CIELab	75.54, -3.06, -2.21
CIELCh	76, 3.773, 215.893
Yxy	49.1491, 0.3031, 0.3264
Android (android.graphics.Color)	4289903806 (0xFFB2BCBE)
YUV	185.2380, 2.3477, -6.3477
Hunter-Lab	70.1064, -6.4870, 1.8865

Details

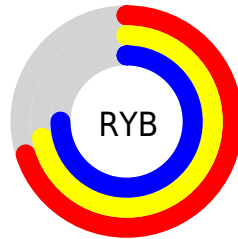
The XYZ color **45.6376, 49.1491, 55.7966** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.5926, 46.8038, 48.7514**, and the grayscale version is **46.2377, 48.6456, 52.9751**.

A 20% lighter version of the original color is **82.9169, 88.8476, 99.9679**, and **21.6368, 23.4941, 27.0613** is the 20% darker color. If you saturate the color by 10%, you get **40.9087, 45.7207, 55.3848**, and if you desaturate by 10%, it is **50.9880, 52.9226, 56.2437**.

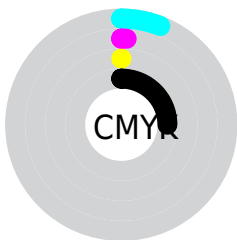
Distribution



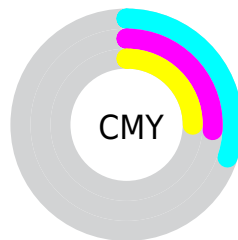
- Red (70%)
- Green (74%)
- Blue (75%)



- Red (70%)
- Yellow (72%)
- Blue (75%)



- Cyan (6%)
- Magenta (1%)
- Yellow (0%)
- Black (25%)



- Cyan (30%)
- Magenta (26%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.6376, 49.1491, 55.7966 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 45.6376, 49.1491, 55.7966 by changing the saturation by 10% instead.

■ 45.6376, 49.1491,
55.7966

■ 45.6376, 49.1491,
55.7966

360.0902,
383.3290, 426.2913

■ 32.1634, 34.7378,
39.6370

■ 82.9076, 88.9129,
100.1899

■ 21.6425, 23.4609,
26.9440

107.4340,
115.0341, 129.2607

■ 13.7095, 14.9342,
17.2991

136.3752,
145.8274, 163.4723

■ 7.9993, 8.7732,
10.2838

170.0965,
181.6772, 203.2433

■ 4.1463, 4.5936,
5.4794

208.9633,
222.9678, 248.9921

■ 1.7852, 2.0108,
2.4676

253.3410,

■ 0.5087, 0.6138,

270.0838, 301.1373

0.8229

303.5948,
323.4093, 360.0976

■ 0.0000, 0.0000,
0.0000

■ 45.6376, 49.1491,
55.7966

■ 45.6376, 49.1491,
55.7966

■ 40.9087, 45.7207,
55.3848

■ 50.9880, 52.9226,
56.2437

■ 36.7723, 42.6182,
55.0040

■ 56.9789, 57.0471,
56.7241

■ 33.2033, 39.8299,
54.6539

■ 63.6340, 61.5361,
57.2398

■ 30.1732, 37.3410,
54.3332

■ 70.9742, 66.4008,
57.7919

■ 27.6511, 35.1354,
54.0404

■ 72.0835, 68.0758,
58.0567

■ 25.6025, 33.1951,
53.7739

■ 72.8418, 69.5926,
58.3095

■ 23.9889, 31.5003,
53.5318

■ 73.6156, 71.1401,
58.5674

■ 22.7655, 30.0276,
53.3120

■ 74.4048, 72.7185,
58.8305

■ 21.8739, 28.7467,
53.1118

■ 75.2095, 74.3279,
59.0987

Harmonies

Analogous

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



45.3945, 49.1491, 53.9100



45.6376, 49.1491, 55.7966



46.1696, 49.1491, 57.0949

Triad

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



45.6376, 49.1491, 55.7966



47.9486, 49.1491, 55.0978



46.5773, 49.1491, 49.7877

Complementary

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



45.6376, 49.1491, 55.7966



45.5926, 46.8038, 48.7514

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.



47.2642, 49.1491, 50.0880



45.6376, 49.1491, 55.7966



48.0604, 49.1491, 53.1219

Square

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



45.6376, 49.1491, 55.7966



47.5048, 49.1491, 56.6845



47.8087, 49.1491, 51.2965



45.9335, 49.1491, 50.4659

Rectangle

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



45.6376, 49.1491, 55.7966



46.6189, 49.1491, 57.4348



47.8087, 49.1491, 51.2965



46.8108, 49.1491, 49.7778

Sweetspot

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



45.6390, 49.1512, 55.7977



86.7152, 91.9181, 101.4507



44.9922, 49.5799, 50.2726



19.0633, 20.1995, 22.2794



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



45.6390, 49.1512, 55.7977



81.0664, 87.8949, 100.9719



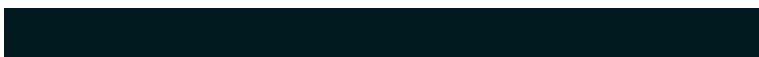
44.4241, 46.7214, 55.3927



9.6698, 10.5319, 12.1954



14.4026, 18.9169, 35.2851



0.6007, 0.8140, 1.3943

Inverse Universe

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



46.2338, 46.4198, 54.1025



82.4421, 81.6191, 97.0419



46.7887, 49.1960, 49.1501



9.8599, 9.6683, 11.6513



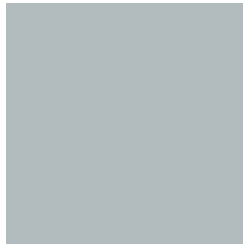
18.2705, 8.9394, 22.5159



0.7341, 0.3575, 0.9790

Previews

White Background



This preview shows how the XYZ color 45.6376, 49.1491, 55.7966 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 45.6376, 49.1491, 55.7966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

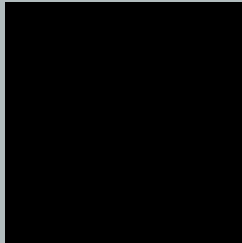
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

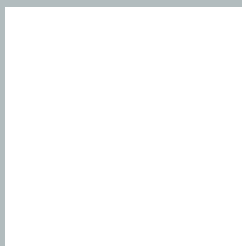
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.6376, 49.1491, 55.7966

Background



This preview shows how black text looks on a background with the XYZ color 45.6376, 49.1491, 55.7966.



This preview shows how white text looks on a background with the XYZ color 45.6376, 49.1491,

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

45.6376, 49.1491, 55.7966

Protanopia

47.1651, 49.0201, 54.5529

Deuteranopia

49.9231, 48.8658, 56.6700



Tritanopia

46.9239, 49.0382, 62.2505

Trichromacy



Original Color

45.6376, 49.1491, 55.7966

Protanomaly

46.5114, 48.9823, 55.1472

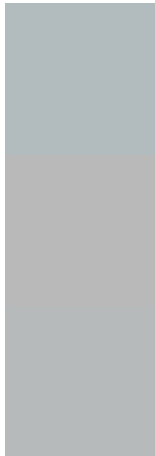
Deuteranomaly

48.3298, 48.9660, 56.1943

Tritanomaly

46.4388, 49.1556, 59.8637

Monochromacy



Original Color

45.6376, 49.1491, 55.7966

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.8199, 48.6508, 53.9893

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6376, 49.1491, 55.7966 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, 188, 190) looks like.

```
.text, #text, p{  
    color:rgb(178, 188, 190)  
}
```

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, 188, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 188, 190) }
```

Border

The CSS property to change the border of an element to XYZ 45.6376, 49.1491, 55.7966 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, 188, 190) }
```


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

```
.border{ border-color:rgb(178, 188, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 188, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 188, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 188, 190);  
box-shadow:4px 4px 4px 4px rgb(178, 188,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6376, 49.1491, 55.7966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 188, 190) }
```

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

```
.background{ background-color: rgb(178,  
188, 190) }
```

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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