

Converting Colors

XYZ(45.8767, 49.5114, 55.1129)

Have a look what the booklet for
XYZ(45.8767, 49.5114, 55.1129)
contains.

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Color

**XYZ(45.9733, 49.6530,
55.3051)**

Conversions

Conversions Part 1

Format	Color
Hex	B3BDBD
RGB	179, 189, 189
RGB Percent	70%, 74%, 74%
CMY	0.2980, 0.2588, 0.2588
CMYK	0.05, 0.00, 0.00, 0.26
HSL	180°, 7%, 72%
HSV	180°, 5%, 74%
XYZ	45.9733, 49.6530, 55.3051
YIQ	186.0100, -5.9600, -2.1200

Conversions

Conversions Part 2

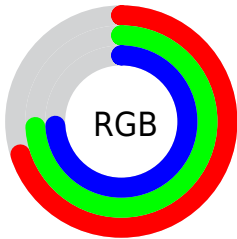
Format	Color
R _Y B	179, 184, 189
Decimal	11779517
CIE Lab	75.86, -3.44, -1.20
CIE LCh	76, 3.647, 199.262
Yxy	49.6530, 0.3046, 0.3290
Android (android.graphics.Color)	4289969597 (0xFFB3BDBD)
YUV	186.0100, 1.4741, -6.1478
Hunter-Lab	70.4649, -6.8551, 2.7910

Details

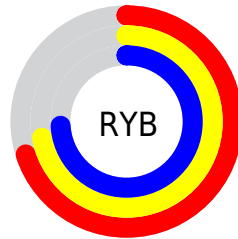
The XYZ color **45.9733, 49.6530, 55.3051** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.2448, 46.3150, 49.2051**, and the grayscale version is **46.6733, 49.1039, 53.4742**.

A 20% lighter version of the original color is **83.3948, 89.5596, 99.2775**, and **21.8523, 23.8215, 26.7388** is the 20% darker color. If you saturate the color by 10%, you get **41.9008, 47.5550, 55.1124**, and if you desaturate by 10%, it is **50.6474, 52.0639, 55.5280**.

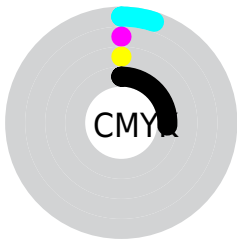
Distribution



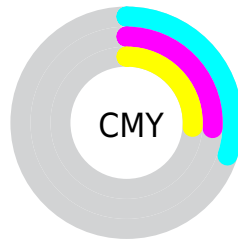
- Red (70%)
- Green (74%)
- Blue (74%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9733, 49.6530, 55.3051 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 45.9733, 49.6530, 55.3051 by changing the saturation by 10% instead.

■ 45.9733, 49.6530,
55.3051

■ 45.9733, 49.6530,
55.3051

361.4190,
385.3074, 424.3819

■ 32.4293, 35.1378,
39.2458

■ 83.4071, 89.6605,
99.4635

■ 21.8467, 23.7690,
26.6417

108.0277,
115.9216, 128.3996

■ 13.8603, 15.1624,
17.0743

137.0711,
146.8668, 162.4651

■ 8.1046, 8.9334,
10.1249

170.9028,
182.8804, 202.0785

■ 4.2143, 4.6978,
5.3752

209.8881,
224.3469, 247.6583

■ 1.8241, 2.0711,
2.4065

254.3923,

■ 0.5321, 0.6483,

271.6506, 299.6232

0.7900

304.7808,
325.1760, 358.3915

■ 0.0000, 0.0000,
0.0000

■ 45.9733, 49.6530,
55.3051

■ 45.9733, 49.6530,
55.3051

■ 41.9008, 47.5550,
55.1124

■ 50.6474, 52.0639,
55.5280

■ 38.4014, 45.7511,
54.9456

■ 55.9417, 54.7931,
55.7788

■ 35.4508, 44.2300,
54.8044

■ 61.8792, 57.8540,
56.0598

■ 33.0211, 42.9775,
54.6876

■ 68.4805, 61.2570,
56.3718

■ 31.0820, 41.9780,
54.5938

■ 68.6270, 61.3324,
56.3818

■ 29.6003, 41.2142,
54.5213

■ 68.6275, 61.3327,
56.3849

■ 28.5383, 40.6668,
54.4685

■ 68.6281, 61.3329,
56.3880

■ 27.8526, 40.3134,
54.4334

■ 68.6287, 61.3331,
56.3911

■ 27.4900, 40.1265,
54.4133

■ 68.6293, 61.3334,
56.3942

Harmonies

Analogous

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



45.9240, 49.6530, 53.3708



45.9733, 49.6530, 55.3051



46.3478, 49.6530, 56.9431

Triad

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



45.9733, 49.6530, 55.3051



48.1887, 49.6530, 56.5378



47.4371, 49.6530, 50.4767

Complementary

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



45.9733, 49.6530, 55.3051



45.2448, 46.3150, 49.2051

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.



48.0498, 49.6530, 51.2830



45.9733, 49.6530, 55.3051



48.4865, 49.6530, 54.7625

Square

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



45.9733, 49.6530, 55.3051



47.6252, 49.6530, 57.6665



48.4355, 49.6530, 52.8410



46.7648, 49.6530, 50.6141

Rectangle

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



45.9733, 49.6530, 55.3051



46.7334, 49.6530, 57.6322



48.4355, 49.6530, 52.8410



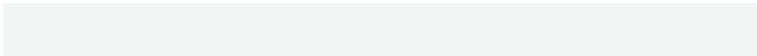
47.6570, 49.6530, 50.6456

Sweetspot

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



45.9747, 49.6551, 55.3062



84.9452, 90.2726, 99.1723



44.9646, 49.2555, 49.7859



18.2855, 19.4222, 21.3274



90.7827, 95.5105, 104.0109



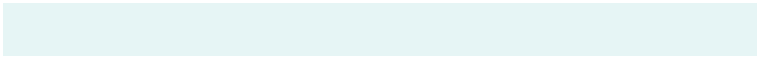
18.6292, 19.5994, 21.3438

Same Dimension

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



45.9747, 49.6551, 55.3062



81.7113, 88.6055, 99.0187



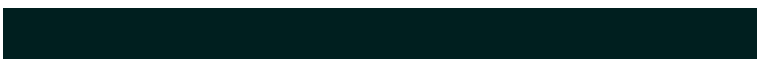
44.9522, 47.6097, 54.9669



10.0704, 10.9445, 12.2535



18.4202, 26.9583, 36.6049



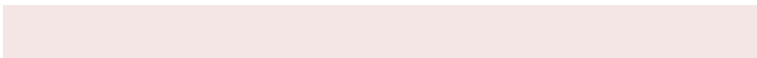
0.7216, 1.0560, 1.4340

Inverse Universe

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



45.2448, 46.3150, 49.2051



80.2137, 81.7522, 86.5006



46.2306, 48.2870, 49.5323



9.8719, 10.0364, 10.5947



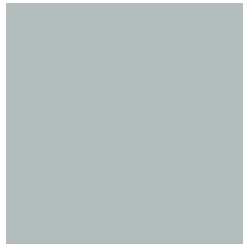
14.1205, 7.2793, 0.6621



0.5531, 0.2852, 0.0261

Previews

White Background



This preview shows how the XYZ color 45.9733, 49.6530, 55.3051 looks on a white background.

Color Contrast Check

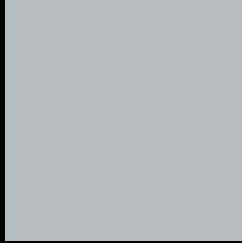
Large Text (above 18pt) WCAG AA × Fail

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 45.9733, 49.6530, 55.3051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

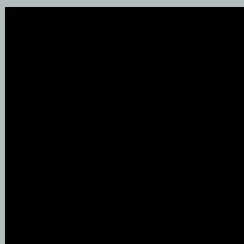
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

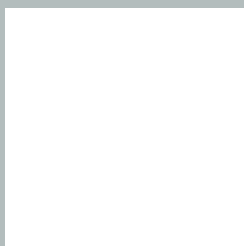
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.9733, 49.6530, 55.3051

Background



This preview shows how black text looks on a background with the XYZ color 45.9733, 49.6530, 55.3051.



This preview shows how white text looks on a background with the XYZ color 45.9733, 49.6530,

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

45.9733, 49.6530, 55.3051

Protanopia

47.7638, 49.6528, 54.0802

Deuteranopia

50.5564, 49.5058, 56.1812



Tritanopia

47.4870, 49.6287, 62.9536

Trichromacy



Original Color

45.9733, 49.6530, 55.3051

Protanomaly

47.0971, 49.6106, 54.6705

Deuteranomaly

48.6829, 49.4680, 55.6976

Tritanomaly

46.8837, 49.7010, 59.9455

Monochromacy



Original Color

45.9733, 49.6530, 55.3051

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.2684, 49.1958, 54.0708

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9733, 49.6530, 55.3051 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(179, 189, 189)` looks like.

```
.text, #text, p{  
    color:rgb(179, 189, 189)  
}
```

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(179, 189, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 189, 189) }
```

Border

The CSS property to change the border of an element to XYZ 45.9733, 49.6530, 55.3051 is called "border". The border property can be set on classes, ids or directly on the HTML element.

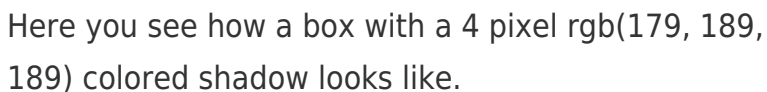
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(179, 189, 189) }
```


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

```
.border{ border-color:rgb(179, 189, 189) }
```

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



Here you see how a box with a 4 pixel `rgb(179, 189, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 189, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 189, 189); box-shadow:4px 4px 4px 4px rgb(179, 189, 189) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9733, 49.6530, 55.3051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 189, 189) }
```

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

```
.background{ background-color: rgb(179,  
189, 189) }
```

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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