

Converting Colors

XYZ(48.1005, 50.7037, 55.2823)

Have a look what the booklet for
XYZ(48.1005, 50.7037, 55.2823)
contains.

XYZ(48.1219, 50.7607, 55.4056)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

**XYZ(48.1219, 50.7607,
55.4056)**

Conversions

Conversions Part 1

Format	Color
Hex	BCBDBD
RGB	188, 189, 189
RGB Percent	74%, 74%, 74%
CMY	0.2627, 0.2588, 0.2588
CMYK	0.01, 0.00, 0.00, 0.26
HSL	180°, 1%, 74%
HSV	180°, 1%, 74%
XYZ	48.1219, 50.7607, 55.4056
YIQ	188.7010, -0.5960, -0.2120

Conversions

Conversions Part 2

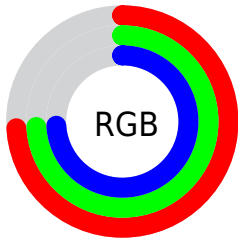
Format	Color
R_{YB}	188, 189, 189
Decimal	12369341
CIE _{Lab}	76.53, -0.34, -0.13
CIE _{LCh}	77, 0.368, 200.803
Yxy	50.7607, 0.3119, 0.3290
Android (android.graphics.Color)	4290559421 (0xFFBCBDBD)
YUV	188.7010, 0.1474, -0.6148
Hunter-Lab	71.2465, -4.1176, 3.7651

Details

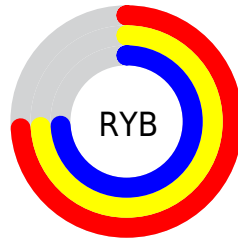
The XYZ color **48.1219, 50.7607, 55.4056** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.0484, 50.4173, 54.7785**, and the grayscale version is **48.1996, 50.7098, 55.2229**.

A 20% lighter version of the original color is **86.4421, 91.1305, 99.4202**, and **23.2398, 24.5368, 26.8038** is the 20% darker color. If you saturate the color by 10%, you get **43.7610, 48.5148, 55.1668**, and if you desaturate by 10%, it is **53.0955, 53.3253, 55.6752**.

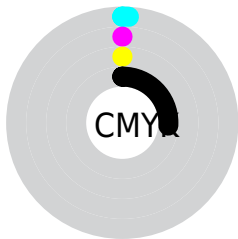
Distribution



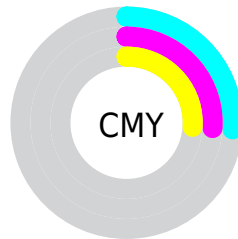
- Red (74%)
- Green (74%)
- Blue (74%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.1219, 50.7607, 55.4056 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 48.1219, 50.7607, 55.4056 by changing the saturation by 10% instead.

■ 48.1219, 50.7607,
55.4056

■ 48.1219, 50.7607,
55.4056

369.8497,
389.6333, 424.7728

■ 34.1351, 36.0182,
39.3258

■ 86.5945, 91.3009,
99.6121

■ 23.1608, 24.4483,
26.7035

111.8109,
117.8675, 128.5758

■ 14.8336, 15.6665,
17.1202

141.5013,
149.1442, 162.6712

■ 8.7883, 9.2884,
10.1573

176.0310,
185.5154, 202.3169

■ 4.6593, 4.9298,
5.3964

215.7653,
227.3655, 247.9313

■ 2.0815, 2.2061,
2.4189

261.0696,

■ 0.6791, 0.7233,

275.0789, 299.9331

0.7967

312.3093,
329.0401, 358.7407

■ 0.0000, 0.0000,
0.0000

■ 48.1219, 50.7607,
55.4056

■ 48.1219, 50.7607,
55.4056

■ 43.7610, 48.5148,
55.1668

■ 53.0955, 53.3253,
55.6752

■ 39.9849, 46.5689,
54.9543

■ 58.6997, 56.2136,
55.9733

■ 36.7700, 44.9124,
54.7680

■ 64.9571, 59.4386,
56.3020

■ 34.0896, 43.5314,
54.6068

■ 68.6515, 61.3424,
56.5108

■ 31.9146, 42.4109,
54.4693

■ 68.6584, 61.3451,
56.5470

■ 30.2133, 41.5346,
54.3540

■ 68.6653, 61.3479,
56.5832

■ 28.9501, 40.8843,
54.2592

■ 68.6721, 61.3506,
56.6194

■ 28.0850, 40.4390,
54.1830

■ 68.6790, 61.3534,
56.6556

■ 27.5700, 40.1743,
54.1232

■ 68.6859, 61.3561,
56.6919

Harmonies

Analogous

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



48.1149, 50.7607, 55.2087



48.1219, 50.7607, 55.4056



48.1622, 50.7607, 55.5664

Triad

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



48.1219, 50.7607, 55.4056



48.3500, 50.7607, 55.5116



48.2679, 50.7607, 54.8934

Complementary

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



48.1219, 50.7607, 55.4056



48.0484, 50.4173, 54.7785

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.



48.3309, 50.7607, 54.9742



48.1219, 50.7607, 55.4056



48.3784, 50.7607, 55.3309

Square

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



48.1219, 50.7607, 55.4056



48.2939, 50.7607, 55.6278



48.3714, 50.7607, 55.1342



48.1991, 50.7607, 54.9133

Rectangle

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



48.1219, 50.7607, 55.4056



48.2027, 50.7607, 55.6314



48.3714, 50.7607, 55.1342



48.2904, 50.7607, 54.9097

Sweetspot

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



48.1233, 50.7629, 55.4067



86.6293, 91.1408, 99.2523



48.0192, 50.7217, 54.8369



18.6292, 19.5994, 21.3438



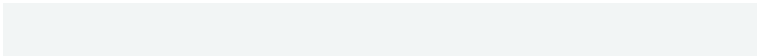
90.7827, 95.5105, 104.0109

Same Dimension

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



48.1233, 50.7629, 55.4067



85.7805, 90.7033, 99.2060



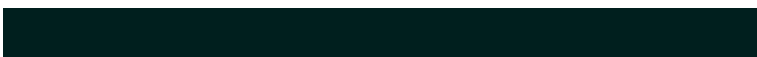
48.0195, 50.5547, 55.3739



10.6253, 11.2306, 12.2792



18.3786, 26.9417, 36.3863



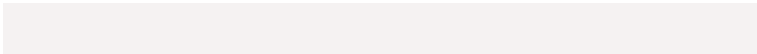
0.7204, 1.0555, 1.4277

Inverse Universe

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



48.0484, 50.4173, 54.7785



85.5246, 89.5230, 97.0603



48.1519, 50.6248, 54.8112



10.5962, 11.0961, 12.0346



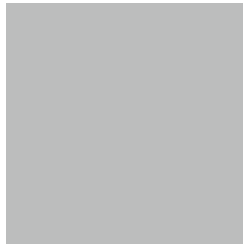
14.1231, 7.2804, 0.6761



0.5537, 0.2854, 0.0288

Previews

White Background



This preview shows how the XYZ color 48.1219, 50.7607, 55.4056 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 48.1219, 50.7607, 55.4056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

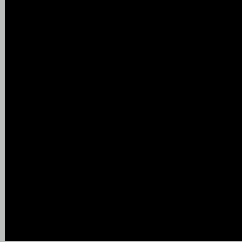
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

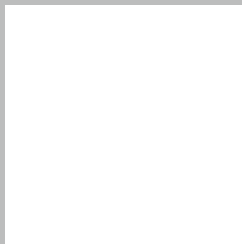
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.1219, 50.7607, 55.4056

Background



This preview shows how black text looks on a background with the XYZ color 48.1219, 50.7607, 55.4056.

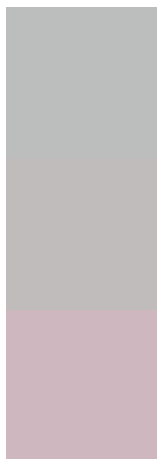


This preview shows how white text looks on a background with the XYZ color 48.1219, 50.7607,

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

48.1219, 50.7607, 55.4056

Protanopia

48.7985, 50.8037, 54.8111

Deuteranopia

51.6813, 50.7065, 55.7786



Tritanopia

49.6662, 50.7521, 63.0556

Trichromacy



Original Color

48.1219, 50.7607, 55.4056

Protanomaly

48.5462, 50.6736, 54.7993

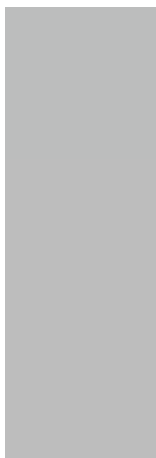
Deuteranomaly

50.1964, 50.5577, 55.8282

Tritanomaly

49.0475, 50.8165, 60.0468

Monochromacy



Original Color

48.1219, 50.7607, 55.4056

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.3692, 50.8881, 55.4172

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1219, 50.7607, 55.4056 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(188, 189, 189)` looks like.

```
.text, #text, p{  
    color:rgb(188, 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(188, 189, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 189, 189) }
```

Border

The CSS property to change the border of an element to XYZ 48.1219, 50.7607, 55.4056 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(188, 189, 189) }
```

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

```
.border{ border-color:rgb(188, 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(188, 189, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 189, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 189, 189);  
box-shadow:4px 4px 4px 4px rgb(188, 189,  
189) }
```


Background

The CSS property to change the background color of an element to XYZ 48.1219, 50.7607, 55.4056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 189, 189) }
```

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

```
.background{ background-color: rgb(188,  
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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