

Converting Colors

XYZ(47.9219, 50.6145, 54.9969)

Have a look what the booklet for
XYZ(47.9219, 50.6145, 54.9969)
contains.

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Color

**XYZ(48.0137, 50.7174,
54.8358)**

Conversions

Conversions Part 1

Format	Color
Hex	BCBDBC
RGB	188, 189, 188
RGB Percent	74%, 74%, 74%
CMY	0.2627, 0.2588, 0.2627
CMYK	0.01, 0.00, 0.01, 0.26
HSL	120°, 1%, 74%
HSV	120°, 1%, 74%
XYZ	48.0137, 50.7174, 54.8358
YIQ	188.5870, -0.2750, -0.5230

Conversions

Conversions Part 2

Format	Color
RYB	188, 189, 189
Decimal	12369340
CIELab	76.51, -0.53, 0.37
CIELCh	77, 0.648, 144.800
Yxy	50.7174, 0.3127, 0.3303
Android (android.graphics.Color)	4290559420 (0xFFBCBDBC)
YUV	188.5870, -0.2894, -0.5148
Hunter-Lab	71.2161, -4.2841, 4.1985

Details

The XYZ color **48.0137, 50.7174, 54.8358** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.1566, 50.4606, 55.3483**, and the grayscale version is **48.1369, 50.6438, 55.1511**.

A 20% lighter version of the original color is **86.2898, 91.0696, 98.6182**, and **23.1690, 24.5085, 26.4311** is the 20% darker color. If you saturate the color by 10%, you get **41.7538, 47.7119, 44.5972**, and if you desaturate by 10%, it is **55.1530, 54.1483, 66.5098**.

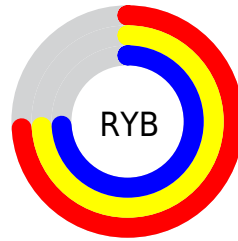
Distribution



Red (74%)

Green (74%)

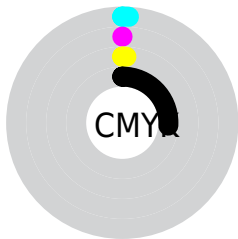
Blue (74%)



Red (74%)

Yellow (74%)

Blue (74%)

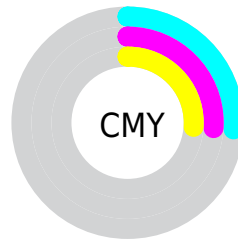


Cyan (1%)

Magenta (0%)

Yellow (1%)

Black (26%)



Cyan (26%)

Magenta (26%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.0137, 50.7174, 54.8358 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 48.0137, 50.7174, 54.8358 by changing the saturation by 10% instead.

■ 48.0137, 50.7174,
54.8358

■ 48.0137, 50.7174,
54.8358

369.4281,
389.4648, 422.5536

■ 34.0490, 35.9838,
38.8726

■ 86.4344, 91.2369,
98.7691

■ 23.0943, 24.4216,
26.3535

111.6211,
117.7916, 127.5762

■ 14.7843, 15.6467,
16.8602

141.2792,
149.0553, 161.5017

■ 8.7534, 9.2745,
9.9739

175.7741,
185.4126, 200.9641

■ 4.6365, 4.9207,
5.2763

215.4710,
227.2478, 246.3819

■ 2.0682, 2.2008,
2.3487

260.7355,

■ 0.6718, 0.7204,

274.9453, 298.1738

0.7583

311.9327,
328.8895, 356.7581

■ 0.0000, 0.0000,
0.0000

■ 48.0137, 50.7174,
54.8358

■ 48.0137, 50.7174,
54.8358

■ 41.7538, 47.7119,
44.5972

■ 55.1530, 54.1483,
66.5098

■ 36.3352, 45.1090,
35.7354

■ 63.1994, 58.0135,
79.6682

■ 31.7234, 42.8937,
28.1927

■ 72.1846, 62.3296,
94.3615

■ 27.8798, 41.0474,
21.9061

■ 77.4886, 64.8772,
103.0462

■ 24.7626, 39.5501,
16.8075

■ 22.3263, 38.3799,
12.8220

■ 20.5200, 37.5122,
9.8668

■ 19.2857, 36.9193,
7.8470

■ 18.5549, 36.5683,
6.6504

Harmonies

Analogous

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



48.1069, 50.7174, 54.6143



48.0137, 50.7174, 54.8358



47.9718, 50.7174, 55.1617

Triad

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



48.0137, 50.7174, 54.8358



48.1841, 50.7174, 55.8952



48.4189, 50.7174, 54.9410

Complementary

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



48.0137, 50.7174, 54.8358



48.1566, 50.4606, 55.3483

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.



48.4396, 50.7174, 55.2836



48.0137, 50.7174, 54.8358



48.3040, 50.7174, 55.8355

Square

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



48.0137, 50.7174, 54.8358



48.0701, 50.7174, 55.7741



48.3975, 50.7174, 55.6113



48.3409, 50.7174, 54.6748

Rectangle

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



48.0137, 50.7174, 54.8358



47.9786, 50.7174, 55.3946



48.3975, 50.7174, 55.6113



48.4328, 50.7174, 55.0510

Sweetspot

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



48.0151, 50.7196, 54.8369



86.6293, 91.1408, 99.2523



48.2632, 50.8475, 54.8484



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.



48.0151, 50.7196, 54.8369



85.4109, 90.5555, 97.2597



48.0693, 50.7412, 55.1222



10.5832, 11.2138, 12.0573



12.2442, 24.4880, 4.0826



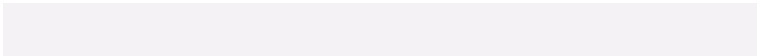
0.4797, 0.9592, 0.1601

Inverse Universe

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



48.1566, 50.4606, 55.3483



85.8942, 89.6708, 99.0067



48.1023, 50.4389, 55.0621



10.6383, 11.1129, 12.2565



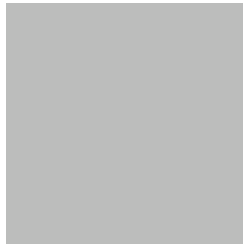
20.2964, 9.7497, 33.1842



0.7951, 0.3819, 1.3001

Previews

White Background



This preview shows how the XYZ color 48.0137, 50.7174, 54.8358 looks on a white background.

Color Contrast Check

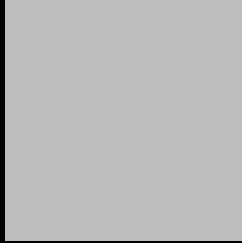
Large Text (above 18pt) WCAG AA × Fail

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 48.0137, 50.7174, 54.8358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

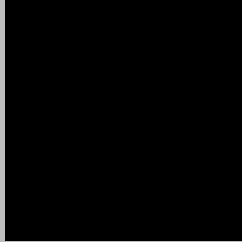
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

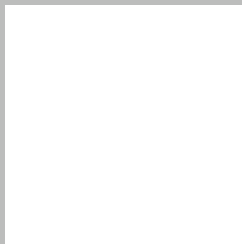
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.0137, 50.7174, 54.8358

Background



This preview shows how black text looks on a background with the XYZ color 48.0137, 50.7174, 54.8358.

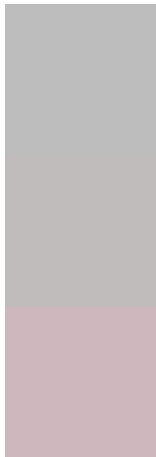


This preview shows how white text looks on a background with the XYZ color 48.0137, 50.7174,

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

48.0137, 50.7174, 54.8358

Protanopia

48.6911, 50.7608, 54.2452

Deuteranopia

51.5724, 50.6629, 55.2049



Tritanopia

49.6662, 50.7521, 63.0556

Trichromacy



Original Color

48.0137, 50.7174, 54.8358

Protanomaly

48.4387, 50.6307, 54.2334

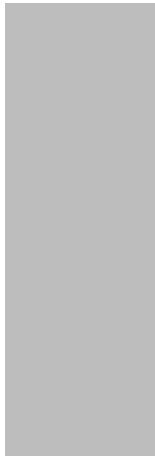
Deuteranomaly

50.0875, 50.5142, 55.2544

Tritanomaly

49.0475, 50.8165, 60.0468

Monochromacy



Original Color

48.0137, 50.7174, 54.8358

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 48.0137, 50.7174, 54.8358 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, 188)` looks like.

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

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

Border

The CSS property to change the border of an element to XYZ 48.0137, 50.7174, 54.8358 is called "border". The border property can be set on classes, ids or directly on the HTML element.

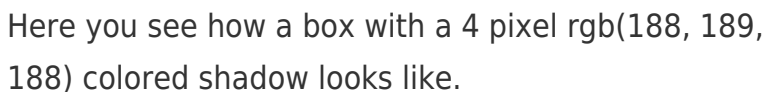
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 189, 188) }
```

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

```
.border{ border-color:rgb(188, 189, 188) }
```

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, 188)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to XYZ 48.0137, 50.7174, 54.8358 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, 188) }
```

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

```
.background{ background-color: rgb(188,  
189, 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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