

Converting Colors

XYZ(48.3559, 50.7828, 54.5948)

Have a look what the booklet for
XYZ(48.3559, 50.7828, 54.5948)
contains.

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Color

**XYZ(48.5099, 50.9732,
54.8590)**

Conversions

Conversions Part 1

Format	Color
Hex	BEBDBC
RGB	190, 189, 188
RGB Percent	75%, 74%, 74%
CMY	0.2549, 0.2588, 0.2627
CMYK	0.00, 0.01, 0.01, 0.25
HSL	30°, 2%, 74%
HSV	30°, 1%, 75%
XYZ	48.5099, 50.9732, 54.8590
YIQ	189.1850, 0.9170, -0.0990

Conversions

Conversions Part 2

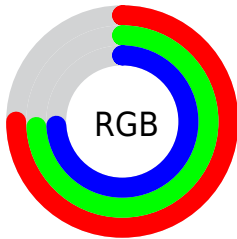
Format	Color
R _Y B	190, 190, 188
Decimal	12500412
CIE Lab	76.66, 0.17, 0.62
CIE LCh	77, 0.641, 74.748
Yxy	50.9732, 0.3143, 0.3303
Android (android.graphics.Color)	4290690492 (0xFFBEBDBC)
YUV	189.1850, -0.5842, 0.7148
Hunter-Lab	71.3955, -3.6598, 4.4195

Details

The XYZ color **48.5099, 50.9732, 54.8590** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.2309, 50.8036, 55.9799**, and the grayscale version is **48.4797, 51.0045, 55.5439**.

A 20% lighter version of the original color is **86.9876, 91.4293, 98.6508**, and **23.4939, 24.6760, 26.4463** is the 20% darker color. If you saturate the color by 10%, you get **44.6250, 46.2678, 44.1153**, and if you desaturate by 10%, it is **52.8004, 56.0568, 67.0696**.

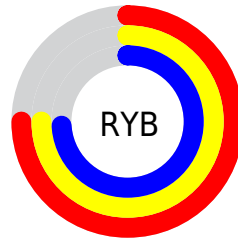
Distribution



Red (75%)

Green (74%)

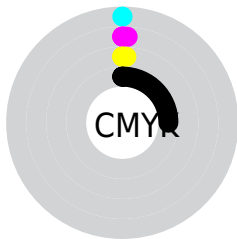
Blue (74%)



Red (75%)

Yellow (75%)

Blue (74%)

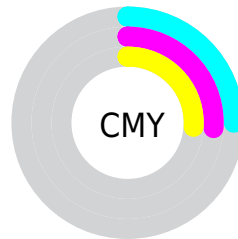


Cyan (0%)

Magenta (1%)

Yellow (1%)

Black (25%)



Cyan (25%)

Magenta (26%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.5099, 50.9732, 54.8590 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 48.5099, 50.9732, 54.8590 by changing the saturation by 10% instead.

■ 48.5099, 50.9732,
54.8590

■ 48.5099, 50.9732,
54.8590

371.3587,
390.4597, 422.6441

■ 34.4438, 36.1873,
38.8910

■ 87.1682, 91.6152,
98.8034

■ 23.3992, 24.5789,
26.3678

112.4911,
118.2400, 127.6169

■ 15.0109, 15.7636,
16.8707

142.2970,
149.5799, 161.5493

■ 8.9134, 9.3570,
9.9814

176.9513,
186.0193, 201.0192

■ 4.7414, 4.9748,
5.2812

216.8192,
227.9426, 246.4451

■ 2.1295, 2.2325,
2.3516

262.2662,

■ 0.7052, 0.7376,

275.7341, 298.2455

0.7599

313.6576,
329.7784, 356.8390

■ 0.0000, 0.0000,
0.0000

■ 48.5099, 50.9732,
54.8590

■ 48.5099, 50.9732,
54.8590

■ 44.6250, 46.2678,
44.1153

■ 52.8004, 56.0568,
67.0696

■ 41.1283, 41.9248,
34.7792

■ 57.5044, 61.5208,
80.7965

■ 38.0077, 37.9368,
26.7924

■ 62.6352, 67.3761,
96.0912

■ 35.2484, 34.2936,
20.0910

■ 66.7205, 73.0373,
105.1888

■ 32.8348, 30.9845,
14.6061

■ 69.3798, 78.3559,
106.0752

■ 30.7498, 27.9982,
10.2622

■ 72.1837, 83.9636,
107.0099

■ 28.9747, 25.3224,
6.9751

■ 75.0455, 89.6873,
107.9638

■ 27.4885, 22.9438,
4.6489

■ 26.2665, 20.8473,
3.1699

Harmonies

Analogous

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



48.6144, 50.9732, 55.0321



48.5099, 50.9732, 54.8590



48.3891, 50.9732, 54.8575

Triad

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



48.5099, 50.9732, 54.8590



48.2232, 50.9732, 55.6714



48.6129, 50.9732, 55.9771

Complementary

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



48.5099, 50.9732, 54.8590



48.2309, 50.8036, 55.9799

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.



48.5079, 50.9732, 56.1498



48.5099, 50.9732, 54.8590



48.2830, 50.9732, 55.9729

Square

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



48.5099, 50.9732, 54.8590



48.2238, 50.9732, 55.3256



48.3871, 50.9732, 56.1483



48.6739, 50.9732, 55.6771

Rectangle

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



48.5099, 50.9732, 54.8590



48.3156, 50.9732, 54.9539



48.3871, 50.9732, 56.1483



48.5816, 50.9732, 56.0520

Sweetspot

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



48.5113, 50.9754, 54.8601



88.6918, 93.3107, 101.6153



48.4044, 50.5885, 55.3582



19.4759, 20.4902, 22.3138



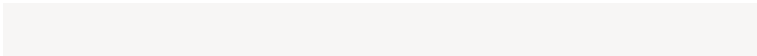
92.9021, 97.7402, 106.4391

Same Dimension

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



48.5113, 50.9754, 54.8601



87.9354, 92.4059, 99.4888



48.7265, 51.4056, 54.9318



10.6379, 11.1798, 12.0478



16.9393, 12.9174, 1.6005



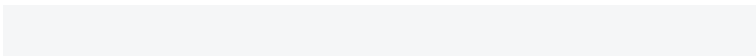
0.7289, 0.6368, 0.0845

Inverse Universe

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



48.2309, 50.8036, 55.9799



87.4446, 92.1052, 101.4484



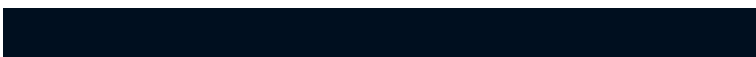
48.0173, 50.3763, 55.9087



10.5833, 11.1464, 12.2659



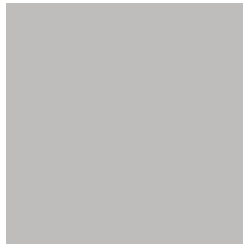
8.9603, 8.0324, 33.4710



0.4164, 0.4455, 1.3329

Previews

White Background



This preview shows how the XYZ color 48.5099, 50.9732, 54.8590 looks on a white background.

Color Contrast Check

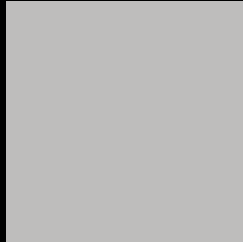
Large Text (above 18pt) WCAG AA × Fail

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 48.5099, 50.9732, 54.8590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

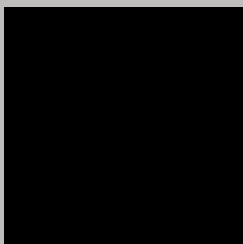
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

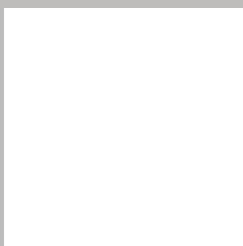
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.5099, 50.9732, 54.8590

Background



This preview shows how black text looks on a background with the XYZ color 48.5099, 50.9732, 54.8590.



This preview shows how white text looks on a background with the XYZ color 48.5099, 50.9732,

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

48.5099, 50.9732, 54.8590

Protanopia

49.0526, 50.9347, 54.8230

Deuteranopia

51.8509, 50.8065, 55.2179



Tritanopia

50.1692, 51.0114, 63.0791

Trichromacy



Original Color

48.5099, 50.9732, 54.8590

Protanomaly

48.7985, 50.8037, 54.8111

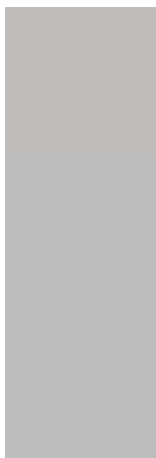
Deuteranomaly

50.6217, 50.7896, 55.2794

Tritanomaly

49.5471, 51.0740, 60.0702

Monochromacy



Original Color

48.5099, 50.9732, 54.8590

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 48.5099, 50.9732, 54.8590 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(190, 189, 188)` looks like.

```
.text, #text, p{  
    color:rgb(190, 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(190, 189, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 189, 188) }
```

Border

The CSS property to change the border of an element to XYZ 48.5099, 50.9732, 54.8590 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(190, 189, 188) }
```

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

```
.border{ border-color:rgb(190, 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(190, 189, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 189, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 189, 188);  
box-shadow:4px 4px 4px 4px rgb(190, 189,  
188) }
```


Background

The CSS property to change the background color of an element to XYZ 48.5099, 50.9732, 54.8590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 189, 188) }
```

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

```
.background{ background-color: rgb(190,  
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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