

Converting Colors

XYZ(48.5469, 51.6703, 54.2580)

Have a look what the booklet for
XYZ(48.5469, 51.6703, 54.2580)
contains.

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Color

**XYZ(48.5867, 51.6683,
54.4259)**

Conversions

Conversions Part 1

Format	Color
Hex	BDBFBB
RGB	189, 191, 187
RGB Percent	74%, 75%, 73%
CMY	0.2588, 0.2510, 0.2667
CMYK	0.01, 0.00, 0.02, 0.25
HSL	90°, 3%, 74%
HSV	90°, 2%, 75%
XYZ	48.5867, 51.6683, 54.4259
YIQ	189.9460, 0.0920, -1.6680

Conversions

Conversions Part 2

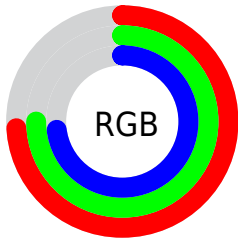
Format	Color
RYB	187, 191, 189
Decimal	12435387
CIELab	77.08, -1.43, 1.76
CIELCh	77, 2.267, 129.031
Yxy	51.6683, 0.3141, 0.3340
Android (android.graphics.Color)	4290625467 (0xFFBDBFBB)
YUV	189.9460, -1.4524, -0.8296
Hunter-Lab	71.8807, -5.1367, 5.4238

Details

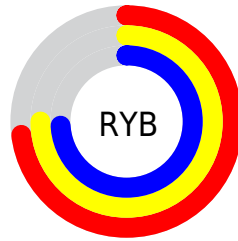
The XYZ color **48.5867, 51.6683, 54.4259** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.1626, 50.1225, 56.4291**, and the grayscale version is **48.9218, 51.4695, 56.0503**.

A 20% lighter version of the original color is **87.0946, 92.4051, 98.0396**, and **23.5449, 25.1324, 26.1644** is the 20% darker color. If you saturate the color by 10%, you get **44.3831, 49.7235, 44.2558**, and if you desaturate by 10%, it is **53.2215, 53.8069, 66.0381**.

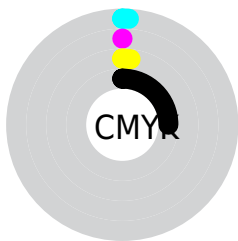
Distribution



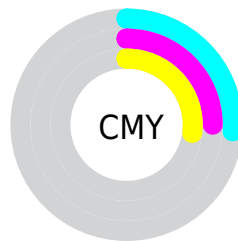
- Red (74%)
- Green (75%)
- Blue (73%)



- Red (73%)
- Yellow (75%)
- Blue (74%)



- Cyan (1%)
- Magenta (0%)
- Yellow (2%)
- Black (25%)



- Cyan (26%)
- Magenta (25%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.5867, 51.6683, 54.4259 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 48.5867, 51.6683, 54.4259 by changing the saturation by 10% instead.

■ 48.5867, 51.6683,
54.4259

■ 48.5867, 51.6683,
54.4259

371.6570,
393.1547, 420.9525

■ 34.5049, 36.7407,
38.5468

■ 87.2817, 92.6419,
98.1620

■ 23.4465, 25.0068,
26.1022

112.6257,
119.4567, 126.8560

■ 15.0460, 16.0821,
16.6737

142.4544,
151.0027, 160.6588

■ 8.9382, 9.5823,
9.8426

177.1332,
187.6643, 199.9889

■ 4.7577, 5.1229,
5.1905

217.0276,
229.8259, 245.2647

■ 2.1391, 2.3196,
2.2988

262.5027,

■ 0.7103, 0.7840,

277.8719, 296.9049

0.7305

313.9241,
332.1867, 355.3280

■ 0.0000, 0.0000,
0.0000

■ 48.5867, 51.6683,
54.4259

■ 48.5867, 51.6683,
54.4259

■ 44.3831, 49.7235,
44.2558

■ 53.2215, 53.8069,
66.0381

■ 40.5928, 47.9601,
35.4681

■ 58.2962, 56.1382,
79.1422

■ 37.2028, 46.3742,
28.0040

■ 63.8247, 58.6698,
93.7897

■ 34.1977, 44.9592,
21.7992

■ 68.4358, 60.8534,
102.7467

■ 31.5609, 43.7082,
16.7839

■ 71.5396, 62.4535,
102.8919

■ 29.2748, 42.6137,
12.8816

■ 74.8135, 64.1413,
103.0451

■ 27.3194, 41.6672,
10.0069

■ 77.9218, 65.7436,
103.1906

■ 25.6726, 40.8596,
8.0620

■ 24.3083, 40.1800,
6.9299

Harmonies

Analogous

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



48.9786, 51.6683, 53.9357



48.5867, 51.6683, 54.4259



48.3358, 51.6683, 55.4089

Triad

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



48.5867, 51.6683, 54.4259



48.8118, 51.6683, 58.5141



49.9361, 51.6683, 55.8845

Complementary

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



48.5867, 51.6683, 54.4259



48.1626, 50.1225, 56.4291

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.



49.8908, 51.6683, 57.1157



48.5867, 51.6683, 54.4259



49.2400, 51.6683, 58.6460

Square

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



48.5867, 51.6683, 54.4259



48.4652, 51.6683, 57.7730



49.6354, 51.6683, 58.1308



49.7588, 51.6683, 54.7697

Rectangle

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



48.5867, 51.6683, 54.4259



48.2814, 51.6683, 56.2177



49.6354, 51.6683, 58.1308



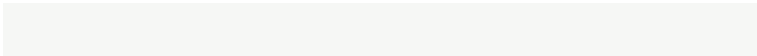
49.9464, 51.6683, 56.2983

Sweetspot

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



48.5882, 51.6705, 54.4270



87.8758, 92.9339, 99.5939



48.6551, 51.0614, 54.3059



19.3056, 20.4116, 21.8919



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.



48.5882, 51.6705, 54.4270



86.2677, 92.1910, 95.6310



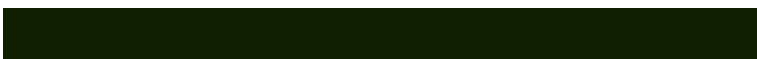
48.0955, 51.4165, 54.4040



10.3638, 11.1150, 11.4011



15.4662, 26.1490, 4.2321



0.6813, 1.0632, 0.1693

Inverse Universe

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



48.1626, 50.1225, 56.4291



85.1665, 88.1851, 100.8118



48.6621, 50.3800, 56.4525



10.2013, 10.5237, 12.1658



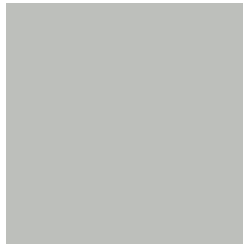
9.4151, 4.1398, 32.6957



0.4443, 0.2011, 1.2842

Previews

White Background



This preview shows how the XYZ color 48.5867, 51.6683, 54.4259 looks on a white background.

Color Contrast Check

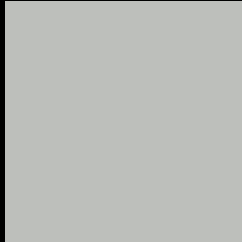
Large Text (above 18pt) WCAG AA × Fail

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 48.5867, 51.6683, 54.4259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

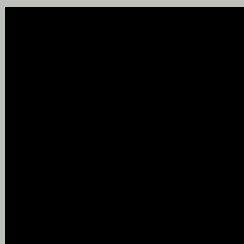
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

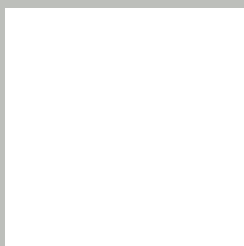
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.5867, 51.6683, 54.4259

Background



This preview shows how black text looks on a background with the XYZ color 48.5867, 51.6683, 54.4259.



This preview shows how white text looks on a background with the XYZ color 48.5867, 51.6683,

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

48.5867, 51.6683, 54.4259

Protanopia

49.3087, 51.4097, 53.7786

Deuteranopia

52.5121, 51.4671, 54.7434



Tritanopia

50.5009, 51.4847, 63.7758

Trichromacy



Original Color

48.5867, 51.6683, 54.4259

Protanomaly

49.0146, 51.5785, 53.8267

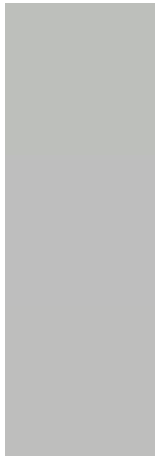
Deuteranomaly

51.2045, 51.7280, 54.8627

Tritanomaly

49.7615, 51.5028, 60.1416

Monochromacy



Original Color

48.5867, 51.6683, 54.4259

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.8340, 51.4482, 55.5008

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5867, 51.6683, 54.4259 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(189, 191, 187)` looks like.

```
.text, #text, p{  
    color:rgb(189, 191, 187)  
}
```

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(189, 191, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 191, 187) }
```

Border

The CSS property to change the border of an element to XYZ 48.5867, 51.6683, 54.4259 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(189, 191, 187) }
```


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

```
.border{ border-color:rgb(189, 191, 187) }
```

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

Here you see how a box with a 4 pixel rgb(189, 191, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 191, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 191, 187);  
box-shadow:4px 4px 4px 4px rgb(189, 191,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5867, 51.6683, 54.4259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 191, 187) }
```

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

```
.background{ background-color: rgb(189,  
191, 187) }
```

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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