

Converting Colors

XYZ(49.2399, 50.9386, 57.1133)

Have a look what the booklet for
XYZ(49.2399, 50.9386, 57.1133)
contains.

XYZ(49.2359, 50.9787, 57.1140)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.2359, 50.9787,
57.1140)**

Conversions

Conversions Part 1

Format	Color
Hex	C0BCC0
RGB	192, 188, 192
RGB Percent	75%, 74%, 75%
CMY	0.2471, 0.2627, 0.2471
CMYK	0.00, 0.02, 0.00, 0.25
HSL	300°, 3%, 75%
HSV	300°, 2%, 75%
XYZ	49.2359, 50.9787, 57.1140
YIQ	189.6520, 1.1000, 2.0920

Conversions

Conversions Part 2

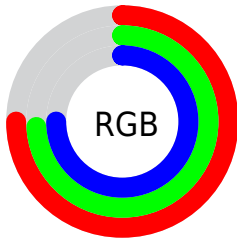
Format	Color
R_{YB}	192, 188, 192
Decimal	12631232
CIE Lab	76.67, 2.14, -1.53
CIE LCh	77, 2.627, 324.461
Yxy	50.9787, 0.3129, 0.3240
Android (android.graphics.Color)	4290821312 (0xFFC0BCC0)
YUV	189.6520, 1.1576, 2.0592
Hunter-Lab	71.3994, -1.8581, 2.5521

Details

The XYZ color **49.2359, 50.9787, 57.1140** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.6677, 52.0229, 55.0560**, and the grayscale version is **48.7378, 51.2760, 55.8395**.

A 20% lighter version of the original color is **88.0054, 91.4351, 101.8173**, and **23.9716, 24.6810, 27.9266** is the 20% darker color. If you saturate the color by 10%, you get **45.4047, 43.3157, 55.8372**, and if you desaturate by 10%, it is **53.6157, 59.7374, 58.5749**.

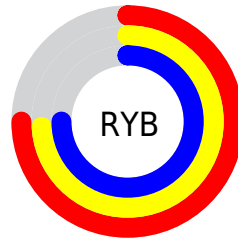
Distribution



Red (75%)

Green (74%)

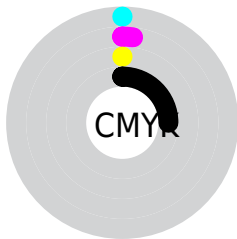
Blue (75%)



Red (75%)

Yellow (74%)

Blue (75%)

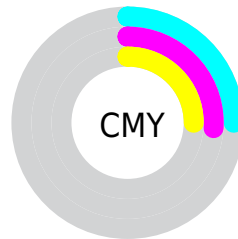


Cyan (0%)

Magenta (2%)

Yellow (0%)

Black (25%)



Cyan (25%)

Magenta (26%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2359, 50.9787, 57.1140 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 49.2359, 50.9787, 57.1140 by changing the saturation by 10% instead.

■ 49.2359, 50.9787,
57.1140

■ 49.2359, 50.9787,
57.1140

374.1718,
390.4810, 431.3820

■ 35.0220, 36.1917,
40.6868

■ 88.2403, 91.6233,
102.1335

■ 23.8464, 24.5823,
27.7566

113.7615,
118.2496, 131.5629

■ 15.3438, 15.7661,
17.9048

143.7825,
149.5912, 166.1634

■ 9.1489, 9.3588,
10.7129

178.6687,
186.0323, 206.3536

■ 4.8963, 4.9759,
5.7624

218.7853,
227.9575, 252.5520

■ 2.2207, 2.2332,
2.6347

264.4978,

■ 0.7536, 0.7380,

275.7511, 305.1772

0.9103

316.1715,
329.7975, 364.6477

■ 0.0000, 0.0000,
0.0000

■ 49.2359, 50.9787,
57.1140

■ 49.2359, 50.9787,
57.1140

■ 45.4047, 43.3157,
55.8372

■ 53.6157, 59.7374,
58.5749

■ 42.0963, 36.6991,
54.7341

■ 58.5599, 69.6257,
60.2233

■ 39.2895, 31.0854,
53.7982

■ 64.0891, 80.6841,
62.0667

■ 36.9596, 26.4258,
53.0212

■ 67.0134, 86.5326,
63.0418

■ 35.0803, 22.6673,
52.3945

■ 67.0135, 86.5326,
63.0421

33.6224, 19.7517,
51.9082

67.0135, 86.5326,
63.0425

32.5535, 17.6139,
51.5515

67.0136, 86.5327,
63.0428

31.8362, 16.1795,
51.3121

67.0137, 86.5327,
63.0432

31.4263, 15.3597,
51.1751

67.0137, 86.5327,
63.0435

Harmonies

Analogous

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



48.8507, 50.9787, 58.0371



49.2359, 50.9787, 57.1140



49.4116, 50.9787, 55.7719

Triad

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



49.2359, 50.9787, 57.1140



48.5461, 50.9787, 52.8261



47.5886, 50.9787, 56.6487

Complementary

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



49.2359, 50.9787, 57.1140



48.6677, 52.0229, 55.0560

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.



47.5083, 50.9787, 55.2433



49.2359, 50.9787, 57.1140



48.0589, 50.9787, 53.0518

Square

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



49.2359, 50.9787, 57.1140



49.0116, 50.9787, 53.3087



47.6799, 50.9787, 53.9307



47.9001, 50.9787, 57.7652

Rectangle

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



49.2359, 50.9787, 57.1140



49.3854, 50.9787, 54.8261



47.6799, 50.9787, 53.9307



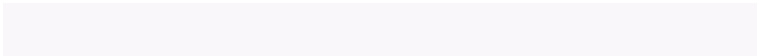
47.5338, 50.9787, 56.1937

Sweetspot

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



49.2374, 50.9809, 57.1151



90.0117, 93.9684, 103.7538



48.2390, 50.4662, 57.0685



19.3188, 20.1759, 22.2614



92.9021, 97.7402, 106.4391



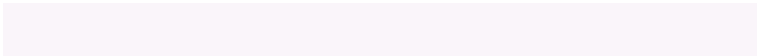
19.4759, 20.4902, 22.3138

Same Dimension

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



49.2374, 50.9809, 57.1151



89.2509, 92.4469, 103.5002



49.0174, 50.8929, 55.9567



11.1609, 11.5747, 12.9307



21.0293, 10.1015, 34.3957



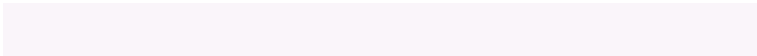
0.9086, 0.4365, 1.4862

Inverse Universe

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



49.2374, 50.9809, 57.1151



89.2509, 92.4469, 103.5002



48.8847, 52.1097, 56.1986



11.1609, 11.5747, 12.9307



21.0293, 10.1015, 34.3957



0.9086, 0.4365, 1.4862

Previews

White Background



This preview shows how the XYZ color 49.2359, 50.9787, 57.1140 looks on a white background.

Color Contrast Check

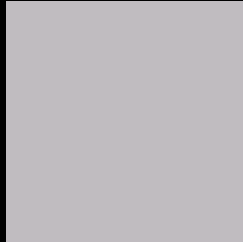
Large Text (above 18pt) WCAG AA × Fail

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 49.2359, 50.9787, 57.1140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

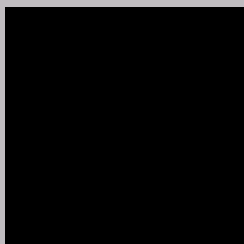
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

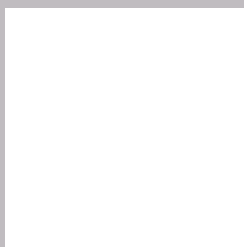
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.2359, 50.9787, 57.1140

Background



This preview shows how black text looks on a background with the XYZ color 49.2359, 50.9787, 57.1140.

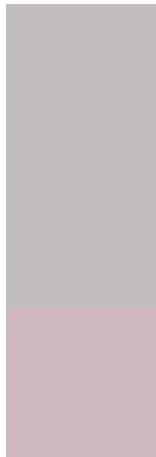


This preview shows how white text looks on a background with the XYZ color 49.2359, 50.9787,

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

49.2359, 50.9787, 57.1140

Protanopia

49.2359, 50.9787, 57.1140

Deuteranopia

52.0127, 50.8390, 57.5236



Tritanopia

50.3053, 51.0952, 62.4693

Trichromacy



Original Color

49.2359, 50.9787, 57.1140

Protanomaly

49.2359, 50.9787, 57.1140

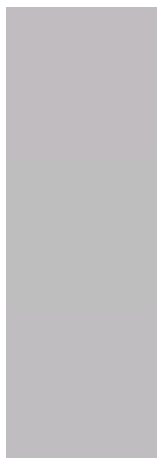
Deuteranomaly

51.0620, 50.9657, 57.5982

Tritanomaly

49.9557, 50.9553, 60.6285

Monochromacy



Original Color

49.2359, 50.9787, 57.1140

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

49.0874, 51.2331, 56.5920

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2359, 50.9787, 57.1140 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(192, 188, 192) looks like.

```
.text, #text, p{  
    color:rgb(192, 188, 192)  
}
```

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(192, 188, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 188, 192) }
```

Border

The CSS property to change the border of an element to XYZ 49.2359, 50.9787, 57.1140 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(192, 188, 192) }
```


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

```
.border{ border-color:rgb(192, 188, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 188, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 188, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 188, 192);  
box-shadow:4px 4px 4px 4px rgb(192, 188,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2359, 50.9787, 57.1140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 188, 192) }
```

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

```
.background{ background-color: rgb(192,  
188, 192) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor