

Converting Colors

XYZ(49.7098, 50.8613, 59.1882)

Have a look what the booklet for
XYZ(49.7098, 50.8613, 59.1882)
contains.

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Color

**XYZ(49.7264, 50.8636,
59.4213)**

Conversions

Conversions Part 1

Format	Color
Hex	C1BBC4
RGB	193, 187, 196
RGB Percent	76%, 73%, 77%
CMY	0.2431, 0.2666, 0.2314
CMYK	0.02, 0.05, 0.00, 0.23
HSL	280°, 7%, 75%
HSV	280°, 5%, 77%
XYZ	49.7264, 50.8636, 59.4213
YIQ	189.8200, 0.6870, 4.0710

Conversions

Conversions Part 2

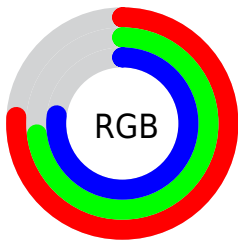
Format	Color
R _Y B	193, 187, 196
Decimal	12696516
CIE Lab	76.60, 3.77, -3.79
CIE LCh	77, 5.345, 314.825
Yxy	50.8636, 0.3108, 0.3179
Android (android.graphics.Color)	4290886596 (0xFFC1BBC4)
YUV	189.8200, 3.0467, 2.7889
Hunter-Lab	71.3187, -0.3501, 0.5239

Details

The XYZ color **49.7264, 50.8636, 59.4213** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.9467, 54.0162, 54.8100**, and the grayscale version is **48.8239, 51.3666, 55.9382**.

A 20% lighter version of the original color is **88.8471, 91.3328, 105.8747**, and **24.2228, 24.5786, 29.0587** is the 20% darker color. If you saturate the color by 10%, you get **44.2198, 42.2689, 58.0534**, and if you desaturate by 10%, it is **55.8771, 60.6356, 60.9841**.

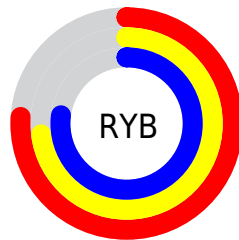
Distribution



Red (76%)

Green (73%)

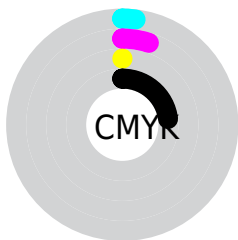
Blue (77%)



Red (76%)

Yellow (73%)

Blue (77%)

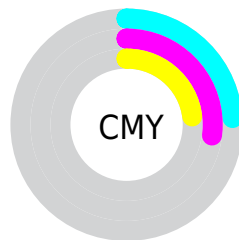


Cyan (2%)

Magenta (5%)

Yellow (0%)

Black (23%)



Cyan (24%)

Magenta (27%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7264, 50.8636, 59.4213 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 49.7264, 50.8636, 59.4213 by changing the saturation by 10% instead.

■ 49.7264, 50.8636,
59.4213

■ 49.7264, 50.8636,
59.4213

376.0647,
390.0336, 440.2067

■ 35.4130, 36.1001,
42.5301

■ 88.9636, 91.4531,
105.5249

■ 24.1492, 24.5115,
29.1879

114.6181,
118.0479, 135.5743

■ 15.5696, 15.7135,
18.9762

144.7836,
149.3552, 170.8470

■ 9.3090, 9.3216,
11.4765

179.8256,
185.7594, 211.7613

■ 5.0020, 4.9516,
6.2701

220.1093,
227.6450, 258.7359

■ 2.2832, 2.2189,
2.9386

266.0002,

■ 0.7861, 0.7303,

275.3963, 312.1893

1.0634

317.8636,
329.3977, 372.5401

■ 0.0000, 0.0000,
0.0000

■ 49.7264, 50.8636,
59.4213

■ 49.7264, 50.8636,
59.4213

■ 44.2198, 42.2689,
58.0534

■ 55.8771, 60.6356,
60.9841

■ 39.3292, 34.7989,
56.8693

■ 62.6899, 71.6220,
62.7456

■ 35.0306, 28.4064,
55.8620

■ 70.1876, 83.8662,
64.7138

■ 31.2968, 23.0386,
55.0226

■ 74.9809, 90.5881,
65.7586

■ 28.0983, 18.6378,
54.3418

■ 76.9878, 91.6227,
65.8525

■ 25.4028, 15.1407,
53.8089

■ 79.0729, 92.6976,
65.9501

■ 23.1738, 12.4763,
53.4120

■ 81.2369, 93.8132,
66.0514

■ 21.3694, 10.5622,
53.1377

■ 83.4806, 94.9699,
66.1564

■ 19.9392, 9.2990,
52.9692

■ 85.8050, 96.1681,
66.2652

Harmonies

Analogous

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



48.8430, 50.8636, 60.9348



49.7264, 50.8636, 59.4213



50.2431, 50.8636, 56.8506

Triad

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



49.7264, 50.8636, 59.4213



48.8545, 50.8636, 50.1852



46.4910, 50.8636, 56.8172

Complementary

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



49.7264, 50.8636, 59.4213



49.9467, 54.0162, 54.8100

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.



46.4940, 50.8636, 53.9385



49.7264, 50.8636, 59.4213



47.8491, 50.8636, 50.1769

Square

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



49.7264, 50.8636, 59.4213



49.7350, 50.8636, 51.5526



46.9881, 50.8636, 51.5297



46.9799, 50.8636, 59.3961

Rectangle

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



49.7264, 50.8636, 59.4213



50.3055, 50.8636, 54.9153



46.9881, 50.8636, 51.5297



46.4348, 50.8636, 55.8510

Sweetspot

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



49.7279, 50.8658, 59.4224



93.9297, 98.2229, 108.6160



48.9053, 51.4443, 59.5774



20.1167, 21.0425, 23.2513



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



49.7279, 50.8658, 59.4224



88.5097, 89.6689, 107.2506



50.3475, 51.2029, 58.6531



10.5009, 10.6068, 12.7787



12.4752, 5.6916, 33.9977



0.6096, 0.2823, 1.4722

Inverse Universe

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



49.8313, 50.9964, 55.9347



88.7630, 89.9842, 98.9181



49.3502, 53.6919, 55.5399



10.5335, 10.6473, 11.7122



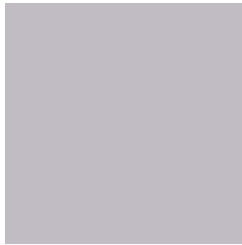
15.2833, 7.8031, 4.1379



0.6927, 0.3501, 0.3493

Previews

White Background



This preview shows how the XYZ color 49.7264, 50.8636, 59.4213 looks on a white background.

Color Contrast Check

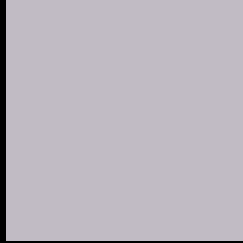
Large Text (above 18pt) WCAG AA × Fail

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 49.7264, 50.8636, 59.4213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

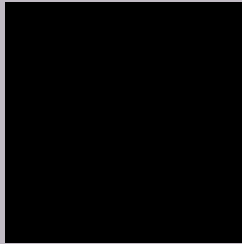
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.7264, 50.8636, 59.4213

Background



This preview shows how black text looks on a background with the XYZ color 49.7264, 50.8636, 59.4213.

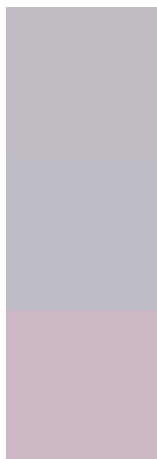


This preview shows how white text looks on a background with the XYZ color 49.7264, 50.8636,

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

49.7264, 50.8636, 59.4213

Protanopia

49.2965, 50.9448, 60.0585

Deuteranopia

51.9134, 50.7356, 59.8801



Tritanopia

50.3497, 50.8042, 62.4108

Trichromacy



Original Color

49.7264, 50.8636, 59.4213

Protanomaly

49.5471, 51.0740, 60.0702

Deuteranomaly

51.0380, 50.5916, 59.8985

Tritanomaly

50.1158, 50.7107, 61.1796

Monochromacy



Original Color

49.7264, 50.8636, 59.4213

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

49.1979, 51.2773, 57.1737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7264, 50.8636, 59.4213 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(193, 187, 196)` looks like.

```
.text, #text, p{  
    color:rgb(193, 187, 196)  
}
```

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(193, 187, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 187, 196) }
```

Border

The CSS property to change the border of an element to XYZ 49.7264, 50.8636, 59.4213 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(193, 187, 196) }
```


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

```
.border{ border-color:rgb(193, 187, 196) }
```

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

Here you see how a box with a 4 pixel rgb(193, 187, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 187, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 187, 196);  
box-shadow:4px 4px 4px 4px rgb(193, 187,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7264, 50.8636, 59.4213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 187, 196) }
```

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

```
.background{ background-color: rgb(193,  
187, 196) }
```

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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