

Converting Colors

XYZ(50.0866, 58.2740, 38.4878)

Have a look what the booklet for
XYZ(50.0866, 58.2740, 38.4878)
contains.

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Color

**XYZ(49.9726, 58.2301,
38.3115)**

Conversions

Conversions Part 1

Format	Color
Hex	C1CF98
RGB	193, 207, 152
RGB Percent	76%, 81%, 60%
CMY	0.2431, 0.1882, 0.4039
CMYK	0.07, 0.00, 0.27, 0.19
HSL	75°, 36%, 70%
HSV	75°, 27%, 81%
XYZ	49.9726, 58.2301, 38.3115
YIQ	196.5440, 9.3110, -20.0730

Conversions

Conversions Part 2

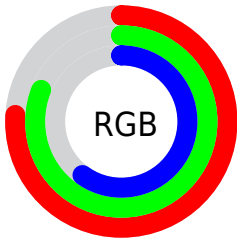
Format	Color
RYB	152, 207, 166
Decimal	12701592
CIELab	80.87, -13.97, 25.82
CIELCh	81, 29.356, 118.427
Yxy	58.2301, 0.3411, 0.3974
Android (android.graphics.Color)	4290891672 (0xFFC1CF98)
YUV	196.5440, -21.9602, -3.1081
Hunter-Lab	76.3086, -16.6450, 23.6489

Details

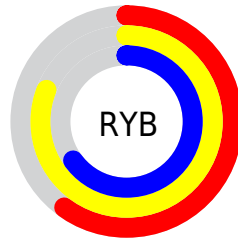
The XYZ color **49.9726, 58.2301, 38.3115** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.2190, 35.0701, 63.7896**, and the grayscale version is **52.9215, 55.6775, 60.6328**.

A 20% lighter version of the original color is **86.4468, 96.3490, 73.0725**, and **24.3877, 29.2110, 16.6648** is the 20% darker color. If you saturate the color by 10%, you get **47.1037, 56.9320, 30.0864**, and if you desaturate by 10%, it is **53.1883, 59.6764, 48.0998**.

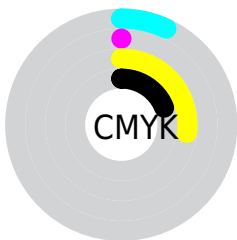
Distribution



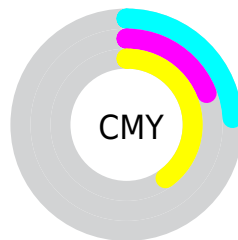
- Red (76%)
- Green (81%)
- Blue (60%)



- Red (60%)
- Yellow (81%)
- Blue (65%)



- Cyan (7%)
- Magenta (0%)
- Yellow (27%)
- Black (19%)




- Cyan (24%)
- Magenta (19%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9726, 58.2301, 38.3115 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 49.9726, 58.2301, 38.3115 by changing the saturation by 10% instead.


 49.9726, 58.2301,
38.3115


 49.9726, 58.2301,
38.3115


377.0125,
418.0428, 354.2925

 35.6093, 41.9937,
25.9208


 89.3263, 102.2579,
73.7940

 24.3013, 29.0963,
16.5392


 115.0475,
130.8180, 97.7230

 15.6833, 19.1537,
9.7480


145.2854,
164.2548, 126.3352

 9.3897, 11.7814,
5.1288

180.4053,
202.9526, 160.0490

 5.0554, 6.5950,
2.2630

220.7726,
247.2960, 199.2832

 2.3149, 3.2101,
0.7104

266.7527,

 0.8023, 1.2424,

297.6692, 244.4561

0.0000

318.7109,
354.4567, 295.9864

■ 0.0000, 0.0959,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.9726, 58.2301,
38.3115

■ 49.9726, 58.2301,
38.3115

■ 47.1037, 56.9320,
30.0864

■ 53.1883, 59.6764,
48.0998

■ 44.5613, 55.7681,
23.3397

■ 56.7611, 61.2691,
59.5226

■ 42.3296, 54.7338,
17.9843

■ 60.7064, 63.0164,
72.6515

■ 40.3895, 53.8216,
13.9227

■ 65.0370, 64.9236,
87.5526

■ 38.7197, 53.0227,
11.0443

■ 69.6841, 66.9632,
103.8602

■ 37.2950, 52.3272,
9.2205

■ 71.2985, 67.7954,
103.9357

■ 36.0836, 51.7221,
8.2854

■ 72.9637, 68.6538,
104.0137

■ 35.6972, 51.5274,
8.0643

■ 74.6799, 69.5386,
104.0940

■ 76.4478, 70.4500,
104.1767

Harmonies

Analogous

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



55.6670, 58.2301, 35.5103



49.9726, 58.2301, 38.3115



45.9839, 58.2301, 47.4593

Triad

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



49.9726, 58.2301, 38.3115



49.4560, 58.2301, 96.3655



67.8548, 58.2301, 64.3247

Complementary

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



49.9726, 58.2301, 38.3115



38.2190, 35.0701, 63.7896

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.



65.8995, 58.2301, 82.5680



49.9726, 58.2301, 38.3115



55.0262, 58.2301, 103.0394

Square

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



49.9726, 58.2301, 38.3115



45.7014, 58.2301, 80.6872



61.0913, 58.2301, 97.5836



66.2601, 58.2301, 48.7816

Rectangle

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



49.9726, 58.2301, 38.3115



44.6790, 58.2301, 56.9294



61.0913, 58.2301, 97.5836



67.5884, 58.2301, 70.3490

Sweetspot

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



49.9741, 58.2327, 38.3127



90.0524, 97.7832, 92.4224



44.9925, 42.7158, 35.5803



19.0831, 20.8443, 19.1619



0.0000, 0.0000, 0.0000



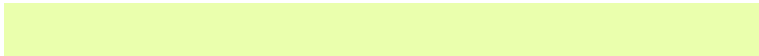
20.3446, 21.4041, 23.3091

Same Dimension

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



49.9741, 58.2327, 38.3127



77.3466, 92.0828, 53.4356



43.6558, 54.9755, 38.0171



12.4973, 13.6398, 12.5861



22.5810, 32.5099, 5.0849



1.3335, 1.8543, 0.2876

Inverse Universe

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



38.2190, 35.0701, 63.7896



55.3640, 48.7535, 101.1001



44.5489, 38.3333, 64.0858



11.4418, 11.5611, 14.8721



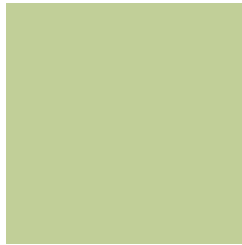
8.0860, 3.3488, 37.4127



0.5268, 0.2257, 2.0954

Previews

White Background



This preview shows how the XYZ color 49.9726, 58.2301, 38.3115 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 49.9726, 58.2301, 38.3115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

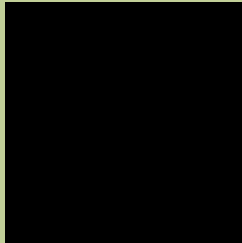
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9726, 58.2301, 38.3115

Background



This preview shows how black text looks on a background with the XYZ color 49.9726, 58.2301, 38.3115.



This preview shows how white text looks on a background with the XYZ color 49.9726, 58.2301,

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

49.9726, 58.2301, 38.3115

Protanopia

54.1034, 57.9256, 36.7630

Deuteranopia

59.0270, 57.7280, 39.0419



Tritanopia

57.0463, 58.3097, 72.5382

Trichromacy



Original Color

49.9726, 58.2301, 38.3115

Protanomaly

52.5931, 58.1793, 37.3119

Deuteranomaly

55.3142, 57.4812, 38.7515

Tritanomaly

54.1881, 58.1889, 58.2447

Monochromacy



Original Color

49.9726, 58.2301, 38.3115

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

51.9921, 56.8452, 51.9480

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9726, 58.2301, 38.3115 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, 207, 152)` looks like.

```
.text, #text, p{  
    color:rgb(193, 207, 152)  
}
```

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, 207, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 207, 152) }
```

Border

The CSS property to change the border of an element to XYZ 49.9726, 58.2301, 38.3115 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, 207, 152) }
```


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

```
.border{ border-color:rgb(193, 207, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 207, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 207, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 207, 152);  
box-shadow:4px 4px 4px 4px rgb(193, 207,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9726, 58.2301, 38.3115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 207, 152) }
```

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

```
.background{ background-color: rgb(193,  
207, 152) }
```

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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