

Converting Colors

XYZ(49.1572, 58.4710, 29.7520)

Have a look what the booklet for
XYZ(49.1572, 58.4710, 29.7520)
contains.

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Color

**XYZ(49.0908, 58.3256,
29.7897)**

Conversions

Conversions Part 1

Format	Color
Hex	C3D082
RGB	195, 208, 130
RGB Percent	76%, 82%, 51%
CMY	0.2353, 0.1843, 0.4902
CMYK	0.06, 0.00, 0.38, 0.18
HSL	70°, 45%, 66%
HSV	70°, 38%, 82%
XYZ	49.0908, 58.3256, 29.7897
YIQ	195.2210, 17.2900, -27.0140

Conversions

Conversions Part 2

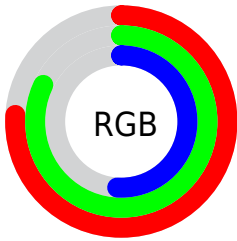
Format	Color
R_{YB}	130, 208, 143
Decimal	12832898
CIE _{Lab}	80.92, -16.59, 37.27
CIE _{LCh}	81, 40.792, 113.999
Yxy	58.3256, 0.3578, 0.4251
Android (android.graphics.Color)	4291022978 (0xFFC3D082)
YUV	195.2210, -32.1540, -0.1938
Hunter-Lab	76.3712, -18.9112, 30.3329

Details

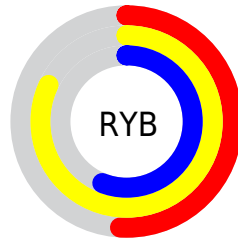
The XYZ color **49.0908, 58.3256, 29.7897** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **30.6978, 26.3605, 63.1481**, and the grayscale version is **52.1834, 54.9010, 59.7872**.

A 20% lighter version of the original color is **84.5566, 95.6761, 59.3581**, and **23.7821, 29.2512, 11.7897** is the 20% darker color. If you saturate the color by 10%, you get **46.9482, 57.3683, 23.1238**, and if you desaturate by 10%, it is **51.5393, 59.4118, 37.9455**.

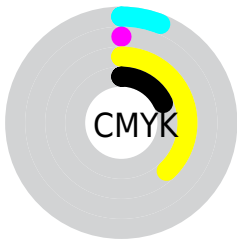
Distribution



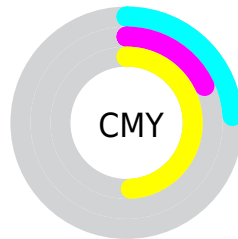
- Red (76%)
- Green (82%)
- Blue (51%)



- Red (51%)
- Yellow (82%)
- Blue (56%)



- Cyan (6%)
- Magenta (0%)
- Yellow (38%)
- Black (18%)



- Cyan (24%)
- Magenta (18%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0908, 58.3256, 29.7897 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 49.0908, 58.3256, 29.7897 by changing the saturation by 10% instead.

■ 49.0908, 58.3256,
29.7897

■ 49.0908, 58.3256,
29.7897

373.6107,
418.3981, 315.0997

■ 34.9063, 42.0705,
19.4283

■ 88.0262, 102.3969,
60.3865

■ 23.7569, 29.1565,
11.8002

■ 113.5079,
130.9818, 81.4590

■ 15.2772, 19.1992,
6.4869

■ 143.4860,
164.4454, 106.9390

■ 9.1017, 11.8143,
3.0698

178.3259,
203.1721, 137.2450

■ 4.8652, 6.6174,
1.1304

218.3930,
247.5464, 172.7955

■ 2.2023, 3.2240,
0.0000

264.0526,

■ 0.7440, 1.2498,

297.9525, 214.0091

0.0000

315.6700,
354.7750, 261.3043

■ 0.0000, 0.1018,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.0908, 58.3256,
29.7897

■ 49.0908, 58.3256,
29.7897

■ 46.9482, 57.3683,
23.1238

■ 51.5393, 59.4118,
37.9455

■ 45.0901, 56.5251,
17.8538

■ 54.3053, 60.6253,
47.6700

■ 43.4986, 55.7909,
13.8813

■ 57.4049, 61.9747,
59.0409

■ 42.1522, 55.1572,
11.0930

■ 60.8517, 63.4655,
72.1298

■ 41.0257, 54.6137,
9.3565

■ 64.6588, 65.1028,
87.0039

■ 40.0839, 54.1464,
8.4880

■ 68.8382, 66.8916,
103.7269

■ 39.8626, 54.0357,
8.3289

■ 69.9038, 67.4373,
103.9401

■ 70.9599, 67.9818,
103.9895

■ 72.0379, 68.5375,
104.0400

Harmonies

Analogous

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



57.1520, 58.3256, 27.5738



49.0908, 58.3256, 29.7897



43.3096, 58.3256, 39.9040

Triad

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



49.0908, 58.3256, 29.7897



46.4286, 58.3256, 109.0515



73.2062, 58.3256, 68.4944

Complementary

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



49.0908, 58.3256, 29.7897



30.6978, 26.3605, 63.1481

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.



69.6395, 58.3256, 94.9547



49.0908, 58.3256, 29.7897



53.7561, 58.3256, 121.8977

Square

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



49.0908, 58.3256, 29.7897



41.8853, 58.3256, 84.3624



62.3073, 58.3256, 116.1740



71.6350, 58.3256, 46.4070

Rectangle

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



49.0908, 58.3256, 29.7897



41.2460, 58.3256, 51.5295



62.3073, 58.3256, 116.1740



72.5579, 58.3256, 77.2092

Sweetspot

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



49.0923, 58.3282, 29.7909



89.1585, 97.4471, 86.7469



39.8662, 34.6682, 25.7104



18.9382, 20.7944, 18.0329



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.



49.0923, 58.3282, 29.7909



75.0603, 91.2311, 38.5610



40.2975, 53.7944, 29.3793



12.6019, 13.6937, 12.5910



24.9137, 33.7124, 5.1941



1.4456, 1.9121, 0.2929

Inverse Universe

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



30.6978, 26.3605, 63.1481



41.8387, 33.4594, 98.8609



38.6612, 30.4658, 63.5208



11.3447, 11.5110, 14.8676



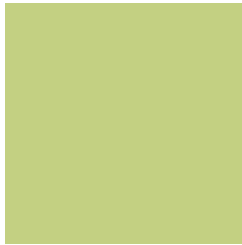
7.5764, 3.0861, 37.3888



0.4819, 0.2026, 2.0933

Previews

White Background



This preview shows how the XYZ color 49.0908, 58.3256, 29.7897 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 49.0908, 58.3256, 29.7897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

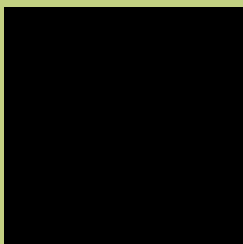
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

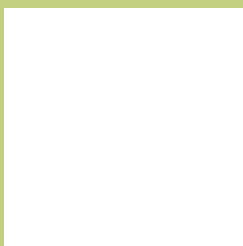
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.0908, 58.3256, 29.7897

Background



This preview shows how black text looks on a background with the XYZ color 49.0908, 58.3256, 29.7897.



This preview shows how white text looks on a background with the XYZ color 49.0908, 58.3256,

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

49.0908, 58.3256, 29.7897

Protanopia

53.9308, 58.3657, 28.5019

Deuteranopia

59.4283, 58.1213, 30.6406



Tritanopia

57.3812, 58.1714, 71.1547

Trichromacy



Original Color

49.0908, 58.3256, 29.7897

Protanomaly

52.0675, 58.4459, 28.9590

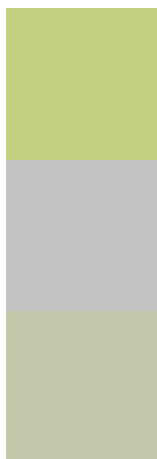
Deuteranomaly

55.1682, 57.9289, 30.4640

Tritanomaly

53.7552, 58.0775, 53.1766

Monochromacy



Original Color

49.0908, 58.3256, 29.7897

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

50.5106, 55.8509, 46.6462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0908, 58.3256, 29.7897 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(195, 208, 130)` looks like.

```
.text, #text, p{  
    color:rgb(195, 208, 130)  
}
```

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(195, 208, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 208, 130) }
```

Border

The CSS property to change the border of an element to XYZ 49.0908, 58.3256, 29.7897 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(195, 208, 130) }
```


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

```
.border{ border-color:rgb(195, 208, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 208, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 208, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 208, 130);  
box-shadow:4px 4px 4px 4px rgb(195, 208,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0908, 58.3256, 29.7897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 208, 130) }
```

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

```
.background{ background-color: rgb(195,  
208, 130) }
```

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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