

Converting Colors

XYZ(48.3304, 55.8422, 30.3361)

Have a look what the booklet for
XYZ(48.3304, 55.8422, 30.3361)
contains.

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Color

**XYZ(48.3801, 55.8048,
30.4118)**

Conversions

Conversions Part 1

Format	Color
Hex	C5CA85
RGB	197, 202, 133
RGB Percent	77%, 79%, 52%
CMY	0.2275, 0.2078, 0.4784
CMYK	0.02, 0.00, 0.34, 0.21
HSL	64°, 39%, 66%
HSV	64°, 34%, 79%
XYZ	48.3801, 55.8048, 30.4118
YIQ	192.6390, 19.1690, -22.5190

Conversions

Conversions Part 2

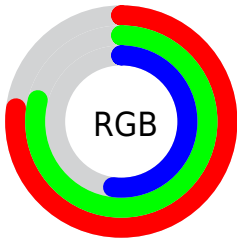
Format	Color
RYB	133, 202, 138
Decimal	12962437
CIELab	79.50, -12.43, 33.93
CIELCh	80, 36.130, 110.121
Yxy	55.8048, 0.3594, 0.4146
Android (android.graphics.Color)	4291152517 (0xFFC5CA85)
YUV	192.6390, -29.4020, 3.8246
Hunter-Lab	74.7026, -15.1265, 28.1546

Details

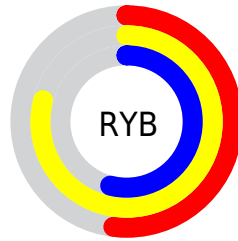
The XYZ color **48.3801, 55.8048, 30.4118** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **29.5315, 26.4440, 59.4280**, and the grayscale version is **50.6370, 53.2740, 58.0154**.

A 20% lighter version of the original color is **85.6027, 96.1787, 61.0663**, and **23.2682, 27.5398, 12.0720** is the 20% darker color. If you saturate the color by 10%, you get **46.7353, 55.1047, 23.7373**, and if you desaturate by 10%, it is **50.2998, 56.6192, 38.5023**.

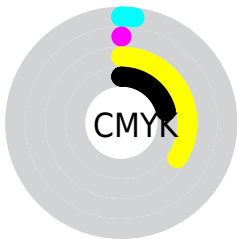
Distribution



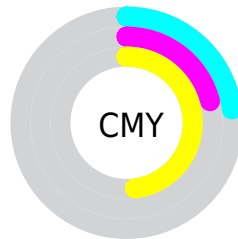
- Red (77%)
- Green (79%)
- Blue (52%)



- Red (52%)
- Yellow (79%)
- Blue (54%)



- Cyan (2%)
- Magenta (0%)
- Yellow (34%)
- Black (21%)





- Cyan (23%)
- Magenta (21%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.3801, 55.8048, 30.4118 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 48.3801, 55.8048, 30.4118 by changing the saturation by 10% instead.

 48.3801, 55.8048,
30.4118

 48.3801, 55.8048,
30.4118


370.8543,
408.9555, 318.0861


 34.3405, 40.0464,
19.8967


 86.9763, 98.7191,
61.3815

 23.3194, 27.5748,
12.1366


 112.2637,
126.6439, 82.6731

 14.9515, 18.0053,
6.7131


 142.0310,
159.3929, 108.3940

 8.8715, 10.9538,
3.2076

176.6436,
197.3505, 138.9627

 4.7139, 6.0358,
1.2016

216.4669,
240.9012, 174.7977

 2.1134, 2.8669,
0.0000

261.8662,

 0.6965, 1.0626,

290.4293, 216.3176

0.0000

313.2069,
346.3193, 263.9409

■ 0.0000, 0.0000,
0.0000

■ 48.3801, 55.8048,
30.4118

■ 48.3801, 55.8048,
30.4118

■ 46.7353, 55.1047,
23.7373

■ 50.2998, 56.6192,
38.5023

■ 45.3459, 54.5053,
18.3941

■ 52.5045, 57.5460,
48.0802

■ 44.1961, 54.0021,
14.2937


■ 55.0088, 58.5932,
59.2162

■ 43.2670, 53.5876,
11.3355


■ 57.8251, 59.7655,
71.9755


■ 42.5363, 53.2530,
9.4034


■ 60.9650, 61.0678,
86.4195


 41.9774, 52.9874,
8.3566

 64.4397, 62.5044,
102.6065

 41.7017, 52.8528,
8.0037

 64.9756, 62.7659,
103.2982

 65.3876, 62.9782,
103.3175

 65.8034, 63.1926,
103.3369

Harmonies

Analogous

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



55.4733, 55.8048, 29.2617



48.3801, 55.8048, 30.4118



43.0290, 55.8048, 38.5554

Triad

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



48.3801, 55.8048, 30.4118



44.5806, 55.8048, 96.9144



68.0237, 55.8048, 67.8861

Complementary

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



48.3801, 55.8048, 30.4118



29.5315, 26.4440, 59.4280

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.



64.4963, 55.8048, 90.1845



48.3801, 55.8048, 30.4118



50.6805, 55.8048, 109.2982

Square

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



48.3801, 55.8048, 30.4118



40.9782, 55.8048, 75.5857



57.9916, 55.8048, 106.5877



67.2649, 55.8048, 48.0153

Rectangle

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



48.3801, 55.8048, 30.4118



40.9612, 55.8048, 48.1507



57.9916, 55.8048, 106.5877



67.2884, 55.8048, 75.4028

Sweetspot

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



48.3815, 55.8073, 30.4130



90.5356, 98.1160, 88.6618



37.6238, 32.3138, 26.4453



19.2517, 20.9479, 18.4164



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.



48.3815, 55.8073, 30.4130



79.8062, 93.5865, 42.9023



40.4400, 51.7133, 30.0413



12.0704, 13.0537, 11.9629



26.8654, 34.0249, 5.1515



1.4105, 1.7680, 0.2669

Inverse Universe

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



29.5315, 26.4440, 59.4280



43.1354, 36.4491, 99.3696



36.0852, 29.8226, 59.7347



10.6759, 10.8822, 14.1082



7.0120, 2.8223, 36.1315



0.3886, 0.1595, 1.8652

Previews

White Background



This preview shows how the XYZ color 48.3801, 55.8048, 30.4118 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 48.3801, 55.8048, 30.4118 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

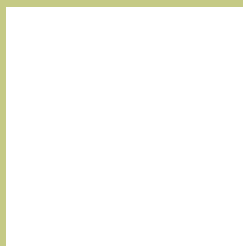
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.3801, 55.8048, 30.4118

Background



This preview shows how black text looks on a background with the XYZ color 48.3801, 55.8048, 30.4118.



This preview shows how white text looks on a background with the XYZ color 48.3801, 55.8048,

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

48.3801, 55.8048, 30.4118

Protanopia

51.7945, 55.8673, 29.5263

Deuteranopia

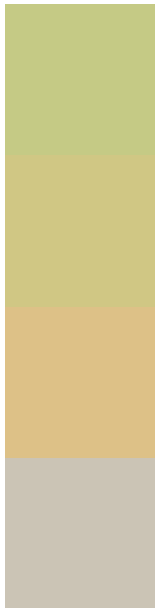
56.6881, 55.4062, 30.9992



Tritanopia

55.9087, 55.8158, 67.5013

Trichromacy



Original Color

48.3801, 55.8048, 30.4118

Protanomaly

50.6007, 55.9227, 29.9570

Deuteranomaly

53.2619, 55.2614, 30.7810

Tritanomaly

52.7090, 55.5126, 51.6530

Monochromacy



Original Color

48.3801, 55.8048, 30.4118

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.3387, 53.8895, 46.3294

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3801, 55.8048, 30.4118 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(197, 202, 133)` looks like.

```
.text, #text, p{  
    color:rgb(197, 202, 133)  
}
```

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(197, 202, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 202, 133) }
```

Border

The CSS property to change the border of an element to XYZ 48.3801, 55.8048, 30.4118 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(197, 202, 133) }
```


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

```
.border{ border-color:rgb(197, 202, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 202, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 202, 133); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 202, 133); box-shadow:4px 4px 4px 4px rgb(197, 202, 133) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3801, 55.8048, 30.4118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 202, 133) }
```

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

```
.background{ background-color: rgb(197,  
202, 133) }
```

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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