

Converting Colors

XYZ(48.3189, 60.5803, 13.7209)

Have a look what the booklet for
XYZ(48.3189, 60.5803, 13.7209)
contains.

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Color

**XYZ(48.2048, 60.4467,
13.6841)**

Conversions

Conversions Part 1

Format	Color
Hex	C6D63E
RGB	198, 214, 62
RGB Percent	78%, 84%, 24%
CMY	0.2235, 0.1608, 0.7568
CMYK	0.07, 0.00, 0.71, 0.16
HSL	66°, 65%, 54%
HSV	66°, 71%, 84%
XYZ	48.2048, 60.4467, 13.6841
YIQ	191.8880, 39.2560, -50.6640

Conversions

Conversions Part 2

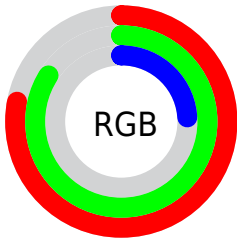
Format	Color
RYB	62, 214, 78
Decimal	13030974
CIELab	82.08, -24.02, 68.92
CIELCh	82, 72.990, 109.215
Yxy	60.4467, 0.3940, 0.4941
Android (android.graphics.Color)	4291221054 (0xFFC6D63E)
YUV	191.8880, -64.0348, 5.3602
Hunter-Lab	77.7475, -25.3849, 43.9878

Details

The XYZ color **48.2048, 60.4467, 13.6841** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **17.0040, 9.9213, 64.6408**, and the grayscale version is **50.3851, 53.0090, 57.7268**.

A 20% lighter version of the original color is **80.3298, 94.1119, 31.3843**, and **23.2134, 30.3717, 4.6389** is the 20% darker color. If you saturate the color by 10%, you get **47.1403, 59.9550, 11.1497**, and if you desaturate by 10%, it is **49.5121, 61.0410, 17.4385**.

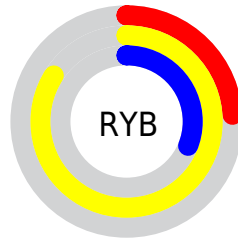
Distribution



Red (78%)

Green (84%)

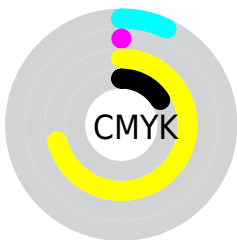
Blue (24%)



Red (24%)

Yellow (84%)

Blue (31%)

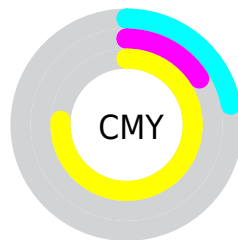


Cyan (7%)

Magenta (0%)

Yellow (71%)

Black (16%)



Cyan (22%)

Magenta (16%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.2048, 60.4467, 13.6841 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 48.2048, 60.4467, 13.6841 by changing the saturation by 10% instead.

■ 48.2048, 60.4467,
13.6841

■ 48.2048, 60.4467,
13.6841

370.1724,
426.2423, 226.6163

■ 34.2010, 43.7788,
7.7650

■ 86.7171, 105.4774,
33.2365

■ 23.2117, 30.4966,
3.8594

■ 111.9563,
134.6090, 47.7069

■ 14.8715, 20.2159,
1.5485

■ 141.6715,
168.6639, 65.8648

■ 8.8149, 12.5520,
0.2537

■ 176.2278,
208.0265, 88.1288

■ 4.6768, 7.1208,
0.0000

■ 215.9907,
253.0813, 114.9174

■ 2.0917, 3.5378,
0.0000

261.3255,

■ 0.6847, 1.4185,

304.2126, 146.6492

0.0000

312.5977,
361.8048, 183.7426

■ 0.0000, 0.2303,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.2048, 60.4467,
13.6841

■ 48.2048, 60.4467,
13.6841

■ 47.1403, 59.9550,
11.1497

■ 49.5121, 61.0410,
17.4385

■ 46.2854, 59.5459,
9.6793

■ 51.0822, 61.7392,
22.5370

■ 45.6523, 59.2334,
9.0271

■ 52.9379, 62.5527,
29.0925

■ 55.0982, 63.4890,
37.2049

■ 57.5803, 64.5551,
46.9656

■ 60.4003, 65.7574,
58.4586

■ 63.5732, 67.1019,
71.7624

■ 67.1130, 68.5942,
86.9506

■ 71.0328, 70.2396,
104.0928

Harmonies

Analogous

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



63.2028, 60.4467, 12.5773



48.2048, 60.4467, 13.6841



37.7381, 60.4467, 24.3669

Triad

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



48.2048, 60.4467, 13.6841



40.1242, 60.4467, 153.7326



91.9233, 60.4467, 83.0858

Complementary

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



48.2048, 60.4467, 13.6841



17.0040, 9.9213, 64.6408

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.



83.0585, 60.4467, 138.6576



48.2048, 60.4467, 13.6841



52.0625, 60.4467, 190.0501

Square

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



48.2048, 60.4467, 13.6841



33.6850, 60.4467, 98.0386



67.8138, 60.4467, 183.5500



90.3831, 60.4467, 41.5629

Rectangle

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



48.2048, 60.4467, 13.6841



33.8806, 60.4467, 39.9694



67.8138, 60.4467, 183.5500



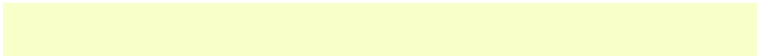
90.0066, 60.4467, 100.9272

Sweetspot

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



48.2062, 60.4495, 13.6854



85.5514, 95.9644, 69.5502



31.2711, 19.9813, 6.7668



18.0811, 20.4416, 13.9687



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.



48.2062, 60.4495, 13.6854



69.4498, 88.8468, 15.3437



33.0581, 52.6404, 12.9764



13.3380, 14.4505, 13.2469



27.6449, 35.8278, 5.4584



1.7052, 2.1805, 0.3310

Inverse Universe

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



17.0040, 9.9213, 64.6408



20.6802, 9.6167, 95.3740



27.0369, 15.0934, 65.1103



11.8628, 12.0707, 15.6422



7.5857, 3.0631, 38.6446



0.4996, 0.2065, 2.3328

Previews

White Background



This preview shows how the XYZ color 48.2048, 60.4467, 13.6841 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 48.2048, 60.4467, 13.6841 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 48.2048, 60.4467, 13.6841

Background



This preview shows how black text looks on a background with the XYZ color 48.2048, 60.4467, 13.6841.



This preview shows how white text looks on a background with the XYZ color 48.2048, 60.4467,

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

48.2048, 60.4467, 13.6841

Protanopia

54.6954, 60.1595, 12.8669

Deuteranopia

61.6373, 60.2858, 14.1820



Tritanopia

60.3606, 60.3610, 72.7595

Trichromacy



Original Color

48.2048, 60.4467, 13.6841

Protanomaly

52.2849, 60.3434, 13.1667

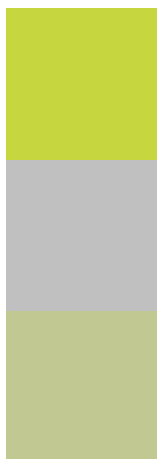
Deuteranomaly

55.8314, 59.6710, 13.8852

Tritanomaly

54.1018, 59.5757, 41.4487

Monochromacy



Original Color

48.2048, 60.4467, 13.6841

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

48.0132, 54.8222, 34.8392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2048, 60.4467, 13.6841 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(198, 214, 62)` looks like.

```
.text, #text, p{  
    color:rgb(198, 214, 62)  
}
```

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(198, 214, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 214, 62) }
```

Border

The CSS property to change the border of an element to XYZ 48.2048, 60.4467, 13.6841 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(198, 214, 62) }
```


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

```
.border{ border-color:rgb(198, 214, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 214, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 214, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 214, 62);  
box-shadow:4px 4px 4px 4px rgb(198, 214,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2048, 60.4467, 13.6841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 214, 62) }
```

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

```
.background{ background-color: rgb(198,  
214, 62) }
```

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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