

Converting Colors

XYZ(48.1750, 60.5983, 23.1611)

Have a look what the booklet for
XYZ(48.1750, 60.5983, 23.1611)
contains.

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Color

**XYZ(48.1895, 60.6096,
23.0689)**

Conversions

Conversions Part 1

Format	Color
Hex	BED76B
RGB	190, 215, 107
RGB Percent	75%, 84%, 42%
CMY	0.2549, 0.1568, 0.5804
CMYK	0.12, 0.00, 0.50, 0.16
HSL	74°, 57%, 63%
HSV	74°, 50%, 84%
XYZ	48.1895, 60.6096, 23.0689
YIQ	195.2130, 19.7680, -38.8880

Conversions

Conversions Part 2

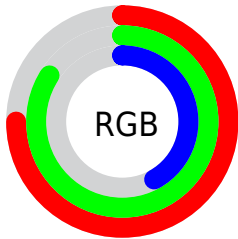
Format	Color
RYB	107, 215, 132
Decimal	12506987
CIELab	82.17, -24.44, 50.03
CIELCh	82, 55.679, 116.042
Yxy	60.6096, 0.3654, 0.4596
Android (android.graphics.Color)	4290697067 (0xFFBED76B)
YUV	195.2130, -43.4890, -4.5718
Hunter-Lab	77.8522, -25.7521, 36.9279

Details

The XYZ color **48.1895, 60.6096, 23.0689** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **27.0415, 20.3288, 66.7922**, and the grayscale version is **52.2432, 54.9639, 59.8557**.

A 20% lighter version of the original color is **80.9044, 94.0497, 47.6075**, and **23.0919, 30.4858, 8.2817** is the 20% darker color. If you saturate the color by 10%, you get **45.9744, 59.5845, 17.7772**, and if you desaturate by 10%, it is **50.7313, 61.7745, 29.8462**.

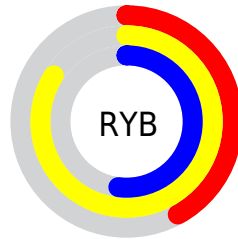
Distribution



Red (75%)

Green (84%)

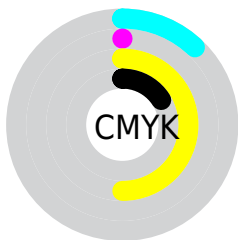
Blue (42%)



Red (42%)

Yellow (84%)

Blue (52%)

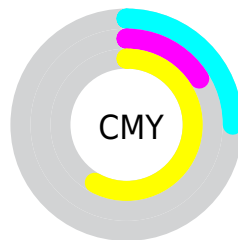


Cyan (12%)

Magenta (0%)

Yellow (50%)

Black (16%)



Cyan (25%)

Magenta (16%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.1895, 60.6096, 23.0689 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 48.1895, 60.6096, 23.0689 by changing the saturation by 10% instead.

■ 48.1895, 60.6096,
23.0689

■ 48.1895, 60.6096,
23.0689

370.1129,
426.8411, 281.2121

■ 34.1889, 43.9102,
14.4386

■ 86.6945, 105.7135,
49.4311

■ 23.2023, 30.5999,
8.2841

■ 111.9295,
134.8867, 68.0000

■ 14.8645, 20.2944,
4.1869

■ 141.6401,
168.9866, 90.7190

■ 8.8100, 12.6092,
1.7284

■ 176.1915,
208.3977, 118.0064

■ 4.6736, 7.1600,
0.3801

215.9491,
253.5043, 150.2809

■ 2.0898, 3.5624,
0.0000

261.2783,

■ 0.6837, 1.4319,

304.6908, 187.9610

0.0000

312.5444,
362.3416, 231.4652

■ 0.0000, 0.2401,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.1895, 60.6096,
23.0689

■ 48.1895, 60.6096,
23.0689

■ 45.9744, 59.5845,
17.7772

■ 50.7313, 61.7745,
29.8462

■ 44.0599, 58.6823,
13.8554


■ 53.6148, 63.0790,
38.2056


■ 42.4227, 57.8960,
11.1770


■ 56.8593, 64.5329,
48.2401


■ 41.0337, 57.2136,
9.5901


■ 60.4812, 66.1428,
60.0343


 39.8658, 56.6271,
8.8290

 64.4960, 67.9149,
73.6671

 68.9182, 69.8551,
89.2127

 73.3550, 71.8063,
104.6015

 74.9283, 72.6174,
104.6752

 76.5472, 73.4520,
104.7509

Harmonies

Analogous

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



59.1918, 60.6096, 20.0109



48.1895, 60.6096, 23.0689



40.7292, 60.6096, 35.8892

Triad

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



48.1895, 60.6096, 23.0689



45.8156, 60.6096, 136.0937



83.4025, 60.6096, 70.5923

Complementary

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



48.1895, 60.6096, 23.0689



27.0415, 20.3288, 66.7922

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.



78.6034, 60.6096, 109.4679



48.1895, 60.6096, 23.0689



56.0520, 60.6096, 154.6211

Square

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



48.1895, 60.6096, 23.0689



39.4959, 60.6096, 98.9145



68.1792, 60.6096, 143.5085



80.5504, 60.6096, 41.3315

Rectangle

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



48.1895, 60.6096, 23.0689



38.2366, 60.6096, 51.4972



68.1792, 60.6096, 143.5085



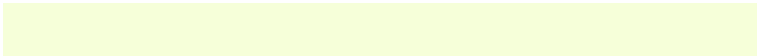
82.6151, 60.6096, 82.9831

Sweetspot

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



48.1910, 60.6123, 23.0702



86.3085, 96.1356, 79.4824



38.7163, 31.5823, 17.9662



18.2333, 20.4701, 16.2338



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.



48.1910, 60.6123, 23.0702



67.5454, 87.6289, 25.9244



37.3716, 55.0347, 22.5638



13.1787, 14.3683, 13.2395



23.9402, 33.9179, 5.2850



1.5139, 2.0818, 0.3220

Inverse Universe

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



27.0415, 20.3288, 66.7922



33.1875, 22.0770, 97.1199



37.3887, 25.6630, 67.2764



12.0090, 12.1460, 15.6490



8.1943, 3.3768, 38.6731



0.5681, 0.2418, 2.3360

Previews

White Background



This preview shows how the XYZ color 48.1895, 60.6096, 23.0689 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 48.1895, 60.6096, 23.0689 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 48.1895, 60.6096, 23.0689

Background



This preview shows how black text looks on a background with the XYZ color 48.1895, 60.6096, 23.0689.



This preview shows how white text looks on a background with the XYZ color 48.1895, 60.6096,

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

48.1895, 60.6096, 23.0689

Protanopia

55.0924, 60.1726, 21.5427

Deuteranopia

61.2833, 59.8932, 23.6598



Tritanopia

58.7707, 60.5229, 75.6024

Trichromacy



Original Color

48.1895, 60.6096, 23.0689

Protanomaly

52.2059, 60.1083, 21.9472

Deuteranomaly

55.9299, 59.8608, 23.3583

Tritanomaly

53.6374, 59.8458, 50.8439

Monochromacy



Original Color

48.1895, 60.6096, 23.0689

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

49.7237, 56.2229, 42.8817

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1895, 60.6096, 23.0689 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(190, 215, 107)` looks like.

```
.text, #text, p{  
    color:rgb(190, 215, 107)  
}
```

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(190, 215, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 215, 107) }
```

Border

The CSS property to change the border of an element to XYZ 48.1895, 60.6096, 23.0689 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(190, 215, 107) }
```


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

```
.border{ border-color:rgb(190, 215, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 215, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 215, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 215, 107);  
box-shadow:4px 4px 4px 4px rgb(190, 215,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1895, 60.6096, 23.0689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 215, 107) }
```

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

```
.background{ background-color: rgb(190,  
215, 107) }
```

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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