

Converting Colors

XYZ(47.0601, 60.6770, 5.0933)

Have a look what the booklet for
XYZ(47.0601, 60.6770, 5.0933)
contains.

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Color

**XYZ(47.8446, 61.1175,
9.2752)**

Conversions

Conversions Part 1

Format	Color
Hex	C6D800
RGB	198, 216, 0
RGB Percent	78%, 85%, 0%
CMY	0.2235, 0.1529, 0.9999
CMYK	0.08, 0.00, 1.00, 0.15
HSL	65°, 100%, 42%
HSV	65°, 100%, 85%
XYZ	47.8446, 61.1175, 9.2752
YIQ	185.9940, 58.6080, -70.9920

Conversions

Conversions Part 2

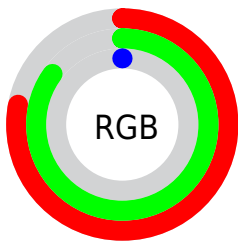
Format	Color
RYB	0, 216, 18
Decimal	13031424
CIELab	82.44, -26.58, 81.73
CIELCh	82, 85.940, 108.014
Yxy	61.1175, 0.4046, 0.5169
Android (android.graphics.Color)	4291221504 (0xFFC6D800)
YUV	185.9940, -91.6950, 10.5293
Hunter-Lab	78.1777, -27.5693, 47.6901

Details

The XYZ color **47.8446, 61.1175, 9.2752** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **12.6458, 5.0877, 65.2850**, and the grayscale version is **47.1468, 49.6021, 54.0167**.

A 20% lighter version of the original color is **78.7203, 93.4681, 22.9090**, and **23.3923, 30.9787, 4.7466** is the 20% darker color. If you saturate the color by 10%, you get **47.8452, 61.1199, 9.2756**, and if you desaturate by 10%, it is **48.4646, 61.4229, 10.0419**.

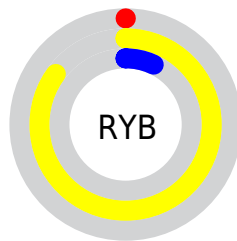
Distribution



Red (78%)

Green (85%)

Blue (0%)



Red (0%)

Yellow (85%)

Blue (7%)

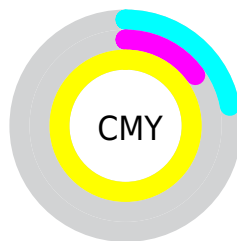


Cyan (8%)

Magenta (0%)

Yellow (100%)

Black (15%)



Cyan (22%)

Magenta (15%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8446, 61.1175, 9.2752 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 47.8446, 61.1175, 9.2752 by changing the saturation by 10% instead.

■ 47.8446, 61.1175,
9.2752

■ 47.8446, 61.1175,
9.2752

368.7687,
428.7047, 195.7108

■ 33.9146, 44.3200,
4.8219

■ 86.1841, 106.4490,
25.0091

■ 22.9906, 30.9222,
2.0862

■ 111.3242,
135.7519, 37.1268

■ 14.7072, 20.5396,
0.6075

■ 140.9318,
169.9920, 52.6363

■ 8.6991, 12.7879,
0.0000

■ 175.3722,
209.5537, 71.9563

■ 4.6010, 7.2826,
0.0000

■ 215.0107,
254.8214, 95.5052

■ 2.0474, 3.6395,
0.0000

■ 260.2128,

■ 0.6604, 1.4740,

306.1796, 123.7015

0.0000

311.3436,
364.0125, 156.9639

■ 0.0000, 0.2703,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.8446, 61.1175,
9.2752

■ 47.8446, 61.1175,
9.2752

■ 47.8452, 61.1199,
9.2756

■ 48.4646, 61.4229,
10.0419

■ 49.2469, 61.7917,
11.6390

■ 50.2447, 62.2473,
14.3420

■ 51.4872, 62.8014,
18.3035

■ 52.9989, 63.4639,
23.6525

■ 54.8011, 64.2432,
30.5016

■ 56.9131, 65.1472,
38.9522

■ 59.3526, 66.1827,
49.0967

■ 62.1357, 67.3564,
61.0207

Harmonies

Analogous

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



65.7332, 61.1175, 8.5551



47.8446, 61.1175, 9.2752



35.6061, 61.1175, 19.2437

Triad

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



47.8446, 61.1175, 9.2752



37.5335, 61.1175, 173.5105



99.9090, 61.1175, 89.8246

Complementary

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



47.8446, 61.1175, 9.2752



12.6458, 5.0877, 65.2850

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.



88.4740, 61.1175, 159.6584



47.8446, 61.1175, 9.2752



51.0641, 61.1175, 222.4898

Square

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



47.8446, 61.1175, 9.2752



30.5744, 61.1175, 102.9569



69.7034, 61.1175, 216.3952



98.5364, 61.1175, 39.9258

Rectangle

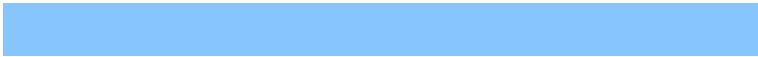
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.8446, 61.1175, 9.2752



31.1232, 61.1175, 35.4225



69.7034, 61.1175, 216.3952



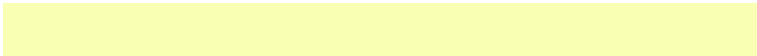
97.3510, 61.1175, 112.0187

Sweetspot

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



47.8460, 61.1203, 9.2765



82.7786, 94.8248, 56.3233



28.5374, 15.0333, 1.3984



17.4270, 20.1721, 10.8782



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.



47.8460, 61.1203, 9.2765



69.6066, 88.9685, 13.5040



28.7757, 51.2892, 8.3840



13.3660, 14.4649, 13.2482



28.3625, 36.1977, 5.4920



1.7415, 2.1992, 0.3327

Inverse Universe

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



12.6458, 5.0877, 65.2850



18.3648, 7.3823, 95.0647



21.0021, 9.3955, 65.6761



11.8376, 12.0577, 15.6410



7.5213, 3.0299, 38.6416



0.4877, 0.2003, 2.3323

Previews

White Background



This preview shows how the XYZ color 47.8446, 61.1175, 9.2752 looks on a white background.

Color Contrast Check

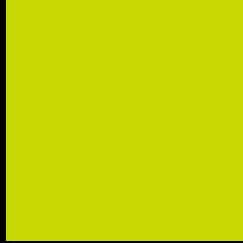
Large Text (above 18pt) WCAG AA × Fail

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 47.8446, 61.1175, 9.2752 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 47.8446, 61.1175, 9.2752

Background



This preview shows how black text looks on a background with the XYZ color 47.8446, 61.1175, 9.2752.



This preview shows how white text looks on a background with the XYZ color 47.8446, 61.1175,

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

47.8446, 61.1175, 9.2752

Protanopia

54.7863, 60.6516, 8.8194

Deuteranopia

61.8293, 60.7199, 14.0916



Tritanopia

61.1426, 61.0792, 74.2125

Trichromacy



Original Color

47.8446, 61.1175, 9.2752

Protanomaly

52.0139, 60.6610, 8.9673

Deuteranomaly

55.7422, 60.3861, 11.1006

Tritanomaly

52.6712, 59.3875, 32.7316

Monochromacy



Original Color

47.8446, 61.1175, 9.2752

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

44.4715, 52.1877, 24.8689

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8446, 61.1175, 9.2752 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, 216, 0)` looks like.

```
.text, #text, p{  
    color:rgb(198, 216, 0)  
}
```

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, 216, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 216, 0) }
```

Border

The CSS property to change the border of an element to XYZ 47.8446, 61.1175, 9.2752 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, 216, 0) }
```


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

```
.border{ border-color:rgb(198, 216, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 216, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 216, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 216, 0);  
box-shadow:4px 4px 4px 4px rgb(198, 216,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8446, 61.1175, 9.2752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 216, 0) }
```

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

```
.background{ background-color: rgb(198,  
216, 0) }
```

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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