

Converting Colors

XYZ(47.7328, 61.0730, 11.2060)

Have a look what the booklet for
XYZ(47.7328, 61.0730, 11.2060)
contains.

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Color

**XYZ(47.6870, 60.9940,
11.1791)**

Conversions

Conversions Part 1

Format	Color
Hex	C4D827
RGB	196, 216, 39
RGB Percent	77%, 85%, 15%
CMY	0.2314, 0.1529, 0.8470
CMYK	0.09, 0.00, 0.82, 0.15
HSL	67°, 69%, 50%
HSV	67°, 82%, 85%
XYZ	47.6870, 60.9940, 11.1791
YIQ	189.8420, 44.8970, -59.2870

Conversions

Conversions Part 2

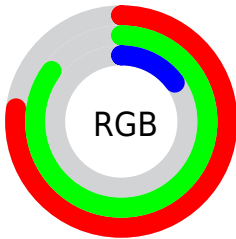
Format	Color
R _Y B	39, 216, 59
Decimal	12900391
CIE Lab	82.38, -26.73, 75.96
CIE LCh	82, 80.527, 109.385
Yxy	60.9940, 0.3979, 0.5089
Android (android.graphics.Color)	4291090471 (0xFFC4D827)
YUV	189.8420, -74.3651, 5.4006
Hunter-Lab	78.0987, -27.6806, 46.1822

Details

The XYZ color **47.6870, 60.9940, 11.1791** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **14.9258, 7.3401, 65.5996**, and the grayscale version is **49.2510, 51.8158, 56.4275**.

A 20% lighter version of the original color is **79.3983, 93.7393, 26.4791**, and **23.2261, 30.8930, 4.7388** is the 20% darker color. If you saturate the color by 10%, you get **46.7965, 60.5672, 9.7714**, and if you desaturate by 10%, it is **48.7942, 61.5131, 13.6614**.

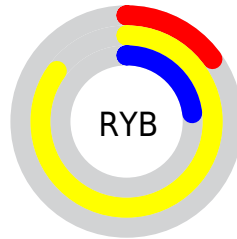
Distribution



Red (77%)

Green (85%)

Blue (15%)



Red (15%)

Yellow (85%)

Blue (23%)

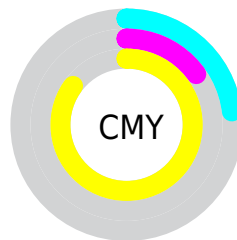


Cyan (9%)

Magenta (0%)

Yellow (82%)

Black (15%)



Cyan (23%)


Magenta (15%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6870, 60.9940, 11.1791 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 47.6870, 60.9940, 11.1791 by changing the saturation by 10% instead.


 47.6870, 60.9940,
11.1791


 47.6870, 60.9940,
11.1791


368.1534,
428.2520, 209.6735

 33.7893, 44.2203,
6.0717


 85.9507, 106.2702,
28.6326


 22.8939, 30.8438,
2.8193


 111.0474,
135.5416, 41.8158


 14.6354, 20.4799,
1.0031


 140.6079,
169.7477, 58.5280

 8.6486, 12.7444,
0.0000

 174.9974,
209.2728, 79.1878

 4.5679, 7.2528,
0.0000

 214.5814,
254.5014, 104.2137

 2.0282, 3.6207,
0.0000

 259.7251,

 0.6497, 1.4637,

305.8179, 134.0243

0.0000

310.7940,
363.6066, 169.0381

■ 0.0000, 0.2630,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.6870, 60.9940,
11.1791

■ 47.6870, 60.9940,
11.1791

■ 46.7965, 60.5672,
9.7714

■ 48.7942, 61.5131,
13.6614

■ 46.1918, 60.2676,
9.1982

■ 50.1441, 62.1282,
17.3737

■ 51.7633, 62.8523,
22.4499

■ 53.6738, 63.6941,
29.0054

■ 55.8954, 64.6615,
37.1436

■ 58.4458, 65.7617,
46.9585

■ 61.3416, 67.0013,
58.5369

■ 64.5982, 68.3864,
71.9594

■ 68.2300, 69.9228,
87.3017

Harmonies

Analogous

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



64.2726, 60.9940, 10.0763



47.6870, 60.9940, 11.1791



36.3418, 60.9940, 21.9059

Triad

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



47.6870, 60.9940, 11.1791



39.0207, 60.9940, 167.2025



96.8727, 60.9940, 85.4056

Complementary

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



47.6870, 60.9940, 11.1791



14.9258, 7.3401, 65.5996

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.



86.8328, 60.9940, 148.9806



47.6870, 60.9940, 11.1791



52.0990, 60.9940, 209.5178

Square

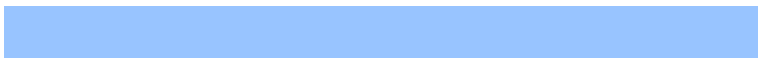
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



47.6870, 60.9940, 11.1791



32.0649, 60.9940, 103.0149



69.6409, 60.9940, 201.5683



95.0438, 60.9940, 39.7040

Rectangle

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



47.6870, 60.9940, 11.1791



32.2287, 60.9940, 38.3644



69.6409, 60.9940, 201.5683



94.7068, 60.9940, 105.5945

Sweetspot

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



47.6884, 60.9968, 11.1804



83.8300, 95.2115, 63.3939



30.1357, 17.6439, 3.7375



17.6615, 20.2577, 12.4856



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.



47.6884, 60.9968, 11.1804



67.3887, 87.8219, 13.5460



31.3302, 52.5638, 10.4148



13.3282, 14.4454, 13.2465



27.3972, 35.7001, 5.4468



1.6927, 2.1740, 0.3304

Inverse Universe

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



14.9258, 7.3401, 65.5996



18.7437, 7.6598, 95.0983



24.8348, 12.4484, 66.0634



11.8717, 12.0752, 15.6426



7.6111, 3.0762, 38.6458



0.5038, 0.2086, 2.3330

Previews

White Background



This preview shows how the XYZ color 47.6870, 60.9940, 11.1791 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 47.6870, 60.9940, 11.1791 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 47.6870, 60.9940, 11.1791

Background



This preview shows how black text looks on a background with the XYZ color 47.6870, 60.9940, 11.1791.



This preview shows how white text looks on a background with the XYZ color 47.6870, 60.9940,

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

47.6870, 60.9940, 11.1791

Protanopia

54.7829, 60.6130, 10.4812

Deuteranopia

61.8606, 60.7324, 14.2565



Tritanopia

60.5624, 60.7801, 74.1854

Trichromacy



Original Color

47.6870, 60.9940, 11.1791

Protanomaly

52.0478, 60.6399, 10.7117

Deuteranomaly

56.0770, 60.5201, 12.8636

Tritanomaly

53.1924, 59.5314, 38.3929

Monochromacy



Original Color

47.6870, 60.9940, 11.1791

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

46.5348, 53.8026, 30.8540

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6870, 60.9940, 11.1791 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(196, 216, 39)` looks like.

```
.text, #text, p{  
    color:rgb(196, 216, 39)  
}
```

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(196, 216, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 216, 39) }
```

Border

The CSS property to change the border of an element to XYZ 47.6870, 60.9940, 11.1791 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(196, 216, 39) }
```


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

```
.border{ border-color:rgb(196, 216, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 216, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 216, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 216, 39);  
box-shadow:4px 4px 4px 4px rgb(196, 216,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6870, 60.9940, 11.1791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 216, 39) }
```

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

```
.background{ background-color: rgb(196,  
216, 39) }
```

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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