

Converting Colors

XYZ(61.2914, 67.9559, 10.3499)

Have a look what the booklet for
XYZ(61.2914, 67.9559, 10.3499)
contains.

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Color

**XYZ(61.2600, 68.0235,
10.3530)**

Conversions

Conversions Part 1

Format	Color
Hex	F2D80F
RGB	242, 216, 15
RGB Percent	95%, 85%, 6%
CMY	0.0510, 0.1529, 0.9411
CMYK	0.00, 0.11, 0.94, 0.05
HSL	53°, 90%, 50%
HSV	53°, 94%, 95%
XYZ	61.2600, 68.0235, 10.3530
YIQ	200.8600, 80.0170, -56.9990

Conversions

Conversions Part 2

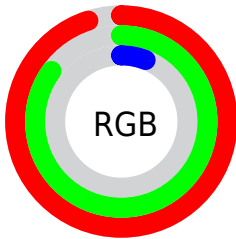
Format	Color
R_{YB}	44, 242, 15
Decimal	15915023
CIE Lab	86.02, -7.83, 84.61
CIE LCh	86, 84.970, 95.290
Yxy	68.0235, 0.4387, 0.4871
Android (android.graphics.Color)	4294105103 (0xFFFF2D80F)
YUV	200.8600, -91.6290, 36.0798
Hunter-Lab	82.4764, -11.7513, 50.2910

Details

The XYZ color **61.2600, 68.0235, 10.3530** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **17.0176, 8.0992, 84.6699**, and the grayscale version is **55.9488, 58.8625, 64.1013**.

A 20% lighter version of the original color is **78.9318, 93.5527, 24.0225**, and **31.9764, 35.6644, 5.1986** is the 20% darker color. If you saturate the color by 10%, you get **60.7368, 67.1154, 9.7534**, and if you desaturate by 10%, it is **62.2611, 69.5722, 12.0859**.

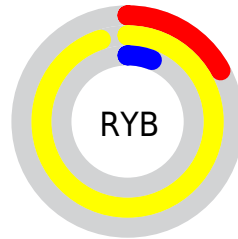
Distribution



Red (95%)

Green (85%)

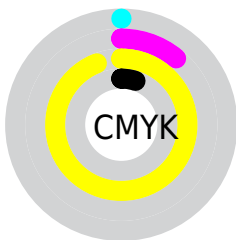
Blue (6%)



Red (17%)

Yellow (95%)

Blue (6%)

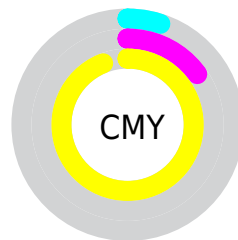


Cyan (0%)

Magenta (11%)

Yellow (94%)

Black (5%)



Cyan (5%)


Magenta (15%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 61.2600, 68.0235, 10.3530 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 61.2600, 68.0235, 10.3530 by changing the saturation by 10% instead.


 61.2600, 68.0235,
10.3530


 61.2600, 68.0235,
10.3530


418.9874,
453.5793, 203.7488

 44.6884, 49.9169,
5.5250


 105.7513,
116.3858, 27.0755


 31.4123, 35.3473,
2.4944


 134.4017,
147.4102, 39.8071


 21.0663, 23.9306,
0.8372


 167.8090,
183.5093, 56.0102

 13.2852, 15.2821,
0.0000

 206.3386,
225.0675, 76.1035

 7.7036, 9.0176,
0.0000

 250.3559,
272.4692, 100.5054

 3.9561, 4.7527,
0.0000

 300.2262,

 1.6773, 2.1029,

326.0988, 129.6346

0.0000

356.3149,
386.3407, 163.9095

■ 0.4420, 0.6663,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 61.2600, 68.0235,
10.3530

■ 61.2600, 68.0235,
10.3530

■ 60.7368, 67.1154,
9.7534

■ 62.2611, 69.5722,
12.0859

■ 63.5283, 71.2440,
15.1676

■ 65.1052, 73.0590,
19.8207

■ 67.0264, 75.0312,
26.2266

■ 69.3216, 77.1725,
34.5422

■ 72.0174, 79.4937,
44.9068

■ 75.1379, 82.0044,
57.4467

■ 78.7051, 84.7136,
72.2782

■ 82.7396, 87.6296,
89.5091

Harmonies

Analogous

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



81.6215, 68.0235, 13.0877



61.2600, 68.0235, 10.3530



45.3289, 68.0235, 16.4579

Triad

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



61.2600, 68.0235, 10.3530



38.6333, 68.0235, 154.9938



105.0287, 68.0235, 128.6078

Complementary

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



61.2600, 68.0235, 10.3530



17.0176, 8.0992, 84.6699

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.



88.8140, 68.0235, 200.7684



61.2600, 68.0235, 10.3530



50.2182, 68.0235, 220.6288

Square

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



61.2600, 68.0235, 10.3530



34.0543, 68.0235, 84.4096



68.1717, 68.0235, 240.6043



109.6157, 68.0235, 64.6040

Rectangle

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



61.2600, 68.0235, 10.3530



38.4791, 68.0235, 28.2160



68.1717, 68.0235, 240.6043



100.6175, 68.0235, 153.5423

Sweetspot

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



61.2615, 68.0268, 10.3544



83.0567, 91.1177, 58.3378



37.1977, 19.3829, 3.9247



17.4587, 19.2440, 11.2126



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.



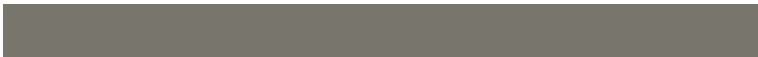
61.2615, 68.0268, 10.3544



68.3817, 75.5434, 10.9772



45.3539, 70.5058, 11.6713



16.9593, 18.1318, 16.7557



32.6934, 36.1848, 5.2612



2.7633, 3.0972, 0.4522

Inverse Universe

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



17.0176, 8.0992, 84.6699



18.4943, 8.1086, 95.1981



21.6807, 9.5794, 84.7099



15.0430, 15.5201, 19.9244



8.8785, 3.9812, 45.4284



0.7860, 0.4260, 3.7950

Previews

White Background



This preview shows how the XYZ color 61.2600, 68.0235, 10.3530 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 61.2600, 68.0235, 10.3530 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 61.2600, 68.0235, 10.3530

Background



This preview shows how black text looks on a background with the XYZ color 61.2600, 68.0235, 10.3530.



This preview shows how white text looks on a background with the XYZ color 61.2600, 68.0235,

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

61.2600, 68.0235, 10.3530

Protanopia

61.6042, 68.2009, 10.3691

Deuteranopia

67.8926, 68.0104, 31.0217



Tritanopia

74.5213, 67.9912, 74.1617

Trichromacy



Original Color

61.2600, 68.0235, 10.3530

Protanomaly

61.6042, 68.2009, 10.3691

Deuteranomaly

64.5218, 67.6338, 19.1052

Tritanomaly

66.4536, 66.4498, 35.3102

Monochromacy



Original Color

61.2600, 68.0235, 10.3530

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

54.6238, 60.4350, 30.9764

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.2600, 68.0235, 10.3530 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(242, 216, 15)` looks like.

```
.text, #text, p{  
    color:rgb(242, 216, 15)  
}
```

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(242, 216, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 216, 15) }
```

Border

The CSS property to change the border of an element to XYZ 61.2600, 68.0235, 10.3530 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(242, 216, 15) }
```


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

```
.border{ border-color:rgb(242, 216, 15) }
```

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

Here you see how a box with a 4 pixel rgb(242, 216, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 216, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 216, 15);  
box-shadow:4px 4px 4px 4px rgb(242, 216,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 61.2600, 68.0235, 10.3530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 216, 15) }
```

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

```
.background{ background-color: rgb(242,  
216, 15) }
```

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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