

Converting Colors

XYZ(15.6135, 28.2244, 4.6249)

Have a look what the booklet for
XYZ(15.6135, 28.2244, 4.6249)
contains.

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Color

**XYZ(15.6861, 28.3292,
4.6413)**

Conversions

Conversions Part 1

Format	Color
Hex	3FA600
RGB	63, 166, 0
RGB Percent	25%, 65%, 0%
CMY	0.7529, 0.3490, 0.9999
CMYK	0.62, 0.00, 1.00, 0.35
HSL	97°, 100%, 33%
HSV	97°, 100%, 65%
XYZ	15.6861, 28.3292, 4.6413
YIQ	116.2790, -8.1020, -73.4620

Conversions

Conversions Part 2

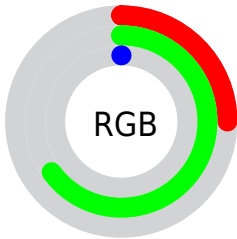
Format	Color
RYB	0, 166, 103
Decimal	4171264
CIELab	60.18, -54.12, 61.49
CIELCh	60, 81.916, 131.355
Yxy	28.3292, 0.3224, 0.5822
Android (android.graphics.Color)	4282361344 (0xFF3FA600)
YUV	116.2790, -57.3255, -46.7257
Hunter-Lab	53.2252, -40.5380, 32.0875

Details

The XYZ color **15.6861, 28.3292, 4.6413** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **12.4789, 5.6382, 36.5085**, and the grayscale version is **16.8598, 17.7378, 19.3165**.

A 20% lighter version of the original color is **35.6361, 57.0087, 15.4289**, and **5.9051, 11.8103, 1.9684** is the 20% darker color. If you saturate the color by 10%, you get **15.6861, 28.3301, 4.6415**, and if you desaturate by 10%, it is **16.5055, 28.7411, 5.1923**.

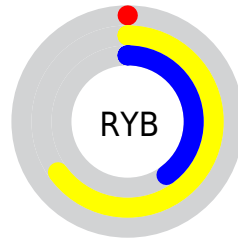
Distribution



Red (25%)

Green (65%)

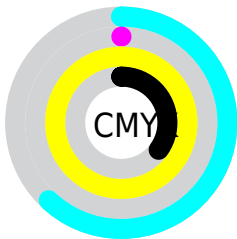
Blue (0%)



Red (0%)

Yellow (65%)

Blue (40%)

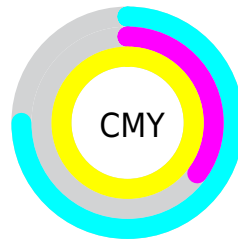


Cyan (62%)

Magenta (0%)

Yellow (100%)

Black (35%)



Cyan (75%)

Magenta (35%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6861, 28.3292, 4.6413 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 15.6861, 28.3292, 4.6413 by changing the saturation by 10% instead.

■ 15.6861, 28.3292,
4.6413

■ 15.6861, 28.3292,
4.6413

220.7893,
294.0366, 155.1070

■ 9.3917, 18.5740,
1.9834

■ 35.6143, 57.0096,
15.4637

■ 5.0567, 11.3628,
0.5450

■ 49.9788, 76.7035,
24.4652

■ 2.3157, 6.3114,
0.0000

■ 67.7640, 100.4792,
36.4183

■ 0.8027, 3.0354,
0.0000

■ 89.3354, 128.7209,
51.7416

■ 0.0000, 1.1502,
0.0000

■ 115.0583,
161.8131, 70.8536


■ 0.0000, 0.0205,
0.0000


■ 145.2980,


■ 0.0000, 0.0000,


200.1402, 94.1728


0.0000


 180.4198,
244.0866, 122.1177


 15.6861, 28.3292,
4.6413


 15.6861, 28.3292,
4.6413


 15.6861, 28.3301,
4.6415

 16.5055, 28.7411,
5.1923

 17.5350, 29.2511,
6.1765

 18.8147, 29.8769,
7.7719

 20.3651, 30.6272,
10.0569

 22.2041, 31.5098,
13.0984

■ 24.3478, 32.5317,
16.9553

■ 26.8108, 33.6995,
21.6805

■ 29.6071, 35.0190,
27.3227

■ 32.7493, 36.4960,
33.9268

Harmonies

Analogous

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



23.1504, 28.3292, 1.8097



15.6861, 28.3292, 4.6413



11.9905, 28.3292, 15.8298

Triad

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



15.6861, 28.3292, 4.6413



20.9840, 28.3292, 124.2009



51.9076, 28.3292, 20.8216

Complementary

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



15.6861, 28.3292, 4.6413



12.4789, 5.6382, 36.5085

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.



50.8872, 28.3292, 53.2186



15.6861, 28.3292, 4.6413



31.0914, 28.3292, 129.0700

Square

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



15.6861, 28.3292, 4.6413



14.4560, 28.3292, 86.8444



42.5547, 28.3292, 97.6062



45.0605, 28.3292, 6.2694

Rectangle

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



15.6861, 28.3292, 4.6413



11.3875, 28.3292, 32.2304



42.5547, 28.3292, 97.6062



52.5121, 28.3292, 29.5012

Sweetspot

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



15.6868, 28.3304, 4.6419



48.3883, 61.0316, 38.8178



20.5148, 17.6838, 2.3325



10.4097, 13.4594, 7.8728



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15.6868, 28.3304, 4.6419



28.2497, 51.3019, 8.4133



13.7578, 27.3220, 5.1818



7.6958, 8.5413, 8.0323



12.2119, 21.9927, 3.6014



0.3542, 0.5645, 0.0903

Inverse Universe

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



12.4789, 5.6382, 36.5085



22.4037, 10.1065, 66.2452



20.9648, 10.2029, 28.3194



7.5620, 7.5223, 9.4717



9.7289, 4.3989, 28.3118



0.2909, 0.1349, 0.6914

Previews

White Background



This preview shows how the XYZ color 15.6861, 28.3292, 4.6413 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 15.6861, 28.3292, 4.6413 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.6861, 28.3292, 4.6413

Background



This preview shows how black text looks on a background with the XYZ color 15.6861, 28.3292, 4.6413.



This preview shows how white text looks on a background with the XYZ color 15.6861, 28.3292,

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

15.6861, 28.3292, 4.6413

Protanopia

25.2297, 28.0373, 4.0820

Deuteranopia

28.3051, 27.8364, 5.4712



Tritanopia

22.8450, 28.1254, 40.7839

Trichromacy



Original Color

15.6861, 28.3292, 4.6413

Protanomaly

20.1436, 27.2945, 4.2067

Deuteranomaly

21.2160, 26.6410, 4.7831

Tritanomaly

18.2217, 27.2437, 17.9338

Monochromacy



Original Color

15.6861, 28.3292, 4.6413

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

14.6909, 20.0860, 9.5813

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6861, 28.3292, 4.6413 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(63, 166, 0)` looks like.

```
.text, #text, p{  
    color:rgb(63, 166, 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(63, 166, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 166, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.6861, 28.3292, 4.6413 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(63, 166, 0) }
```


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

```
.border{ border-color:rgb(63, 166, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 166, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 166, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 166, 0);  
box-shadow:4px 4px 4px 4px rgb(63, 166, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.6861, 28.3292, 4.6413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 166, 0) }
```

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

```
.background{ background-color: rgb(63, 166,  
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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