

Converting Colors

XYZ(16.9082, 27.5453, 4.4256)

Have a look what the booklet for
XYZ(16.9082, 27.5453, 4.4256)
contains.

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Color

**XYZ(16.9613, 27.6634,
4.4456)**

Conversions

Conversions Part 1

Format	Color
Hex	5AA100
RGB	90, 161, 0
RGB Percent	35%, 63%, 0%
CMY	0.6471, 0.3686, 0.9999
CMYK	0.44, 0.00, 1.00, 0.37
HSL	86°, 100%, 32%
HSV	86°, 100%, 63%
XYZ	16.9613, 27.6634, 4.4456
YIQ	121.4170, 9.3650, -65.1230

Conversions

Conversions Part 2

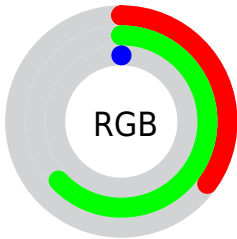
Format	Color
RYB	0, 161, 71
Decimal	5939456
CIELab	59.58, -44.29, 61.45
CIElCh	60, 75.747, 125.784
Yxy	27.6634, 0.3457, 0.5638
Android (android.graphics.Color)	4284129536 (0xFF5AA100)
YUV	121.4170, -59.8586, -27.5527
Hunter-Lab	52.5960, -34.4799, 31.8058

Details

The XYZ color **16.9613, 27.6634, 4.4456** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **9.0333, 3.9139, 33.9991**, and the grayscale version is **18.4963, 19.4595, 21.1914**.

A 20% lighter version of the original color is **37.7911, 55.7958, 15.0812**, and **5.9753, 11.1985, 1.8466** is the 20% darker color. If you saturate the color by 10%, you get **16.9613, 27.6643, 4.4458**, and if you desaturate by 10%, it is **17.7803, 28.0756, 4.9767**.

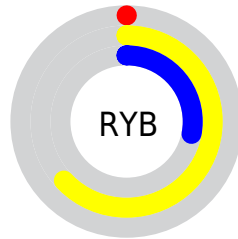
Distribution



Red (35%)

Green (63%)

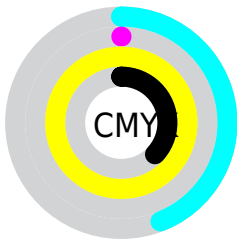
Blue (0%)



Red (0%)

Yellow (63%)

Blue (28%)

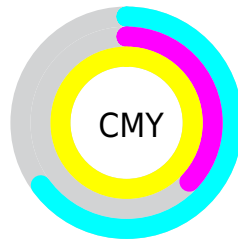


Cyan (44%)

Magenta (0%)

Yellow (100%)

Black (37%)



Cyan (65%)

Magenta (37%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9613, 27.6634, 4.4456 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 16.9613, 27.6634, 4.4456 by changing the saturation by 10% instead.

■ 16.9613, 27.6634,
4.4456

■ 16.9613, 27.6634,
4.4456

228.1099,
290.8550, 153.0564

■ 10.3020, 18.0721,
1.8728

■ 37.8034, 55.9466,
15.0251

■ 5.6635, 11.0017,
0.4754

■ 52.7169, 75.4073,
23.8689

■ 2.6803, 6.0680,
0.0000

■ 71.1125, 98.9265,
35.6401

■ 0.9870, 2.8865,
0.0000

■ 93.3556, 126.8887,
50.7573


■ 0.0000, 1.0728,
0.0000


■ 119.8115,
159.6782, 69.6389


■ 0.0000, 0.0000,
0.0000


■ 150.8456,


197.6795, 92.7037


 186.8233,
241.2770, 120.3700


 16.9613, 27.6634,
4.4456


 16.9613, 27.6634,
4.4456


 16.9613, 27.6643,
4.4458

 17.7803, 28.0756,
4.9767

 18.7414, 28.5515,
5.9050

 19.8792, 29.1061,
7.4008

 21.2089, 29.7457,
9.5363

 22.7438, 30.4758,
12.3733

■ 24.4959, 31.3013,
15.9662

■ 26.4759, 32.2268,
20.3640

■ 28.6938, 33.2563,
25.6117

■ 31.1589, 34.3937,
31.7508

Harmonies

Analogous

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



24.4879, 27.6634, 2.2589



16.9613, 27.6634, 4.4456



12.8633, 27.6634, 13.3051

Triad

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



16.9613, 27.6634, 4.4456



19.4653, 27.6634, 107.9023



49.0856, 27.6634, 25.1315

Complementary

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



16.9613, 27.6634, 4.4456



9.0333, 3.9139, 33.9991

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.



46.8164, 27.6634, 57.2093



16.9613, 27.6634, 4.4456



28.1851, 27.6634, 118.4213

Square

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



16.9613, 27.6634, 4.4456



14.0453, 27.6634, 72.4537



38.5410, 27.6634, 95.9780



44.1533, 27.6634, 8.6644

Rectangle

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



16.9613, 27.6634, 4.4456



11.9164, 27.6634, 26.4221



38.5410, 27.6634, 95.9780



49.1520, 27.6634, 34.1494

Sweetspot

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



16.9619, 27.6646, 4.4462



47.1999, 57.6131, 35.9780



16.8749, 11.9298, 1.4137



10.0361, 12.4882, 7.1779



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



16.9619, 27.6646, 4.4462



30.1446, 49.4234, 7.9509



12.8802, 25.5604, 4.2552



7.3464, 8.0811, 7.5527



13.5932, 22.1181, 3.5528



0.3388, 0.4921, 0.0771

Inverse Universe

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



9.0333, 3.9139, 33.9991



15.9569, 6.8952, 60.8764



19.0610, 9.0834, 34.4684



6.9831, 7.0056, 8.8872



7.2591, 3.1487, 27.1549



0.2065, 0.0940, 0.5731

Previews

White Background



This preview shows how the XYZ color 16.9613, 27.6634, 4.4456 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 16.9613, 27.6634, 4.4456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

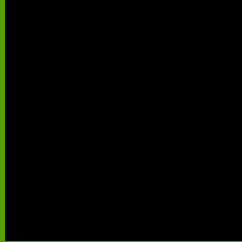
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.9613, 27.6634, 4.4456

Background



This preview shows how black text looks on a background with the XYZ color 16.9613, 27.6634, 4.4456.



This preview shows how white text looks on a background with the XYZ color 16.9613, 27.6634,

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

16.9613, 27.6634, 4.4456

Deuteranopia

27.7471, 27.1355, 5.1418

Tritanopia

23.7346, 27.6725, 38.2728

Trichromacy



Original Color

16.9613, 27.6634, 4.4456

Deuteranomaly

22.1321, 26.2001, 4.5525

Tritanomaly

19.4833, 26.9153, 17.0003

Monochromacy



Original Color

16.9613, 27.6634, 4.4456

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

16.5741, 21.4591, 10.2897

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9613, 27.6634, 4.4456 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(90, 161, 0)` looks like.

```
.text, #text, p{  
    color:rgb(90, 161, 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(90, 161, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 161, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.9613, 27.6634, 4.4456 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(90, 161, 0) }
```

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

```
.border{ border-color:rgb(90, 161, 0) }
```

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

Here you see how a box with a 4 pixel rgb(90, 161, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 161, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 161, 0);  
box-shadow:4px 4px 4px 4px rgb(90, 161, 0)  
}
```


Background

The CSS property to change the background color of an element to XYZ 16.9613, 27.6634, 4.4456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 161, 0) }
```

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

```
.background{ background-color: rgb(90, 161,  
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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