

Converting Colors

XYZ(16.8266, 26.8503, 4.2958)

Have a look what the booklet for
XYZ(16.8266, 26.8503, 4.2958)
contains.

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Color

**XYZ(16.8430, 26.8334,
4.2916)**

Conversions

Conversions Part 1

Format	Color
Hex	5E9E00
RGB	94, 158, 0
RGB Percent	37%, 62%, 0%
CMY	0.6314, 0.3804, 1.0000
CMYK	0.41, 0.00, 1.00, 0.38
HSL	84°, 100%, 31%
HSV	84°, 100%, 62%
XYZ	16.8430, 26.8334, 4.2916
YIQ	120.8520, 12.5740, -62.7060

Conversions

Conversions Part 2

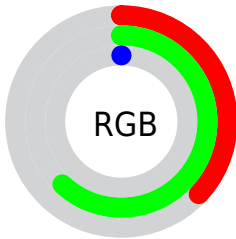
Format	Color
RYB	0, 158, 64
Decimal	6200832
CIELab	58.82, -41.66, 60.94
CIELCh	59, 73.813, 124.357
Yxy	26.8334, 0.3511, 0.5594
Android (android.graphics.Color)	4284390912 (0xFF5E9E00)
YUV	120.8520, -59.5800, -23.5492
Hunter-Lab	51.8010, -32.6127, 31.3486

Details

The XYZ color **16.8430, 26.8334, 4.2916** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **8.2873, 3.5595, 32.5995**, and the grayscale version is **18.3108, 19.2644, 20.9789**.

A 20% lighter version of the original color is **37.5416, 54.5404, 14.6796**, and **5.8816, 10.6831, 1.7521** is the 20% darker color. If you saturate the color by 10%, you get **16.8431, 26.8343, 4.2918**, and if you desaturate by 10%, it is **17.6196, 27.2239, 4.8090**.

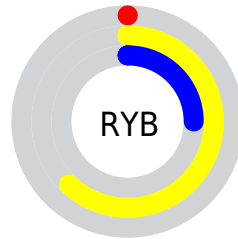
Distribution



Red (37%)

Green (62%)

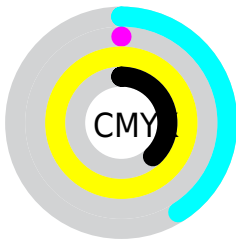
Blue (0%)



Red (0%)

Yellow (62%)

Blue (25%)

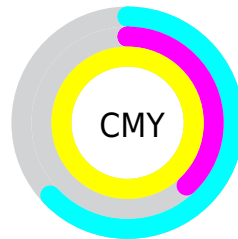


Cyan (41%)

Magenta (0%)

Yellow (100%)

Black (38%)



Cyan (63%)

Magenta (38%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8430, 26.8334, 4.2916 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 16.8430, 26.8334, 4.2916 by changing the saturation by 10% instead.

■ 16.8430, 26.8334,
4.2916

■ 16.8430, 26.8334,
4.2916

227.4399,
286.8496, 151.4134

■ 10.2172, 17.4481,
1.7866

■ 37.6014, 54.6164,
14.6769

■ 5.6066, 10.5545,
0.4191

■ 52.4647, 73.7830,
23.3943

■ 2.6457, 5.7681,
0.0000

■ 70.8046, 96.9787,
35.0196

■ 0.9693, 2.7046,
0.0000

■ 92.9864, 124.5881,
49.9713


■ 0.0000, 0.9795,
0.0000


■ 119.3755,
156.9955, 68.6680


■ 0.0000, 0.0000,
0.0000


■ 150.3372,


194.5852, 91.5282


 186.2369,
237.7418, 118.9705


 16.8430, 26.8334,
4.2916


 16.8430, 26.8334,
4.2916


 16.8431, 26.8343,
4.2918

 17.6196, 27.2239,
4.8090

 18.5225, 27.6706,
5.7038

 19.5850, 28.1876,
7.1417

 20.8214, 28.7809,
9.1918

 22.2440, 29.4555,
11.9128

■ 23.8637, 30.2159,
15.3567

■ 25.6905, 31.0663,
19.5702

■ 27.7336, 32.0105,
24.5961

■ 30.0016, 33.0519,
30.4743

Harmonies

Analogous

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



24.1970, 26.8334, 2.3141



16.8430, 26.8334, 4.2916



12.7504, 26.8334, 12.4432

Triad

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



16.8430, 26.8334, 4.2916



18.6515, 26.8334, 101.7644



47.2542, 26.8334, 25.5702

Complementary

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



16.8430, 26.8334, 4.2916



8.2873, 3.5595, 32.5995

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.



44.7733, 26.8334, 56.7402



16.8430, 26.8334, 4.2916



26.8579, 26.8334, 113.1844

Square

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



16.8430, 26.8334, 4.2916



13.6069, 26.8334, 67.6446



36.7188, 26.8334, 93.2585



42.8651, 26.8334, 9.0691

Rectangle

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



16.8430, 26.8334, 4.2916



11.7450, 26.8334, 24.5575



36.7188, 26.8334, 93.2585



47.2025, 26.8334, 34.4315

Sweetspot

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



16.8436, 26.8346, 4.2922



46.4441, 56.3174, 35.0431



15.8903, 10.8476, 1.2566



10.1653, 12.5548, 7.1839



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.



16.8436, 26.8346, 4.2922



30.3546, 48.6097, 7.7828



12.4380, 24.5634, 4.0860



6.9100, 7.5862, 7.0858



13.5343, 21.5139, 3.4393



0.2890, 0.4089, 0.0637

Inverse Universe

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



8.2873, 3.5595, 32.5995



14.8346, 6.3528, 59.1878



17.3624, 8.2379, 33.0242



6.5264, 6.5599, 8.3289



6.6789, 2.8721, 26.1096



0.1660, 0.0753, 0.4690

Previews

White Background



This preview shows how the XYZ color 16.8430, 26.8334, 4.2916 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 16.8430, 26.8334, 4.2916 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 16.8430, 26.8334, 4.2916

Background



This preview shows how black text looks on a background with the XYZ color 16.8430, 26.8334, 4.2916.



This preview shows how white text looks on a background with the XYZ color 16.8430, 26.8334,

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

16.8430, 26.8334, 4.2916

Protanopia

23.8230, 26.4207, 3.8441

Deuteranopia

26.9039, 26.4962, 4.9926



Tritanopia

23.3738, 26.8154, 36.7448

Trichromacy



Original Color

16.8430, 26.8334, 4.2916

Protanomaly

20.4254, 26.0183, 3.9455

Deuteranomaly

21.9813, 25.8985, 4.5022

Tritanomaly

19.2413, 26.0761, 16.3310

Monochromacy



Original Color

16.8430, 26.8334, 4.2916

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

16.4202, 20.9655, 10.2025

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8430, 26.8334, 4.2916 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(94, 158, 0)` looks like.

```
.text, #text, p{  
    color:rgb(94, 158, 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(94, 158, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 158, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.8430, 26.8334, 4.2916 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(94, 158, 0) }
```


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

```
.border{ border-color:rgb(94, 158, 0) }
```

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

Here you see how a box with a 4 pixel rgb(94, 158, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 158, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 158, 0);  
box-shadow:4px 4px 4px 4px rgb(94, 158, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.8430, 26.8334, 4.2916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 158, 0) }
```

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

```
.background{ background-color: rgb(94, 158,  
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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