

Converting Colors

XYZ(16.6134, 27.0277, 4.4093)

Have a look what the booklet for
XYZ(16.6134, 27.0277, 4.4093)
contains.

XYZ(16.5289, 26.9245, 4.3832)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.5289, 26.9245,
4.3832)**

Conversions

Conversions Part 1

Format	Color
Hex	599F02
RGB	89, 159, 2
RGB Percent	35%, 62%, 1%
CMY	0.6510, 0.3765, 0.9921
CMYK	0.44, 0.00, 0.99, 0.38
HSL	87°, 97%, 32%
HSV	87°, 99%, 62%
XYZ	16.5289, 26.9245, 4.3832
YIQ	120.1720, 8.6770, -63.6670

Conversions

Conversions Part 2

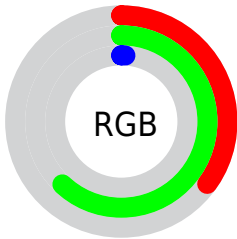
Format	Color
R_{YB}	2, 159, 72
Decimal	5873410
CIE _{Lab}	58.90, -43.78, 60.60
CIE _{LCh}	59, 74.759, 125.844
Yxy	26.9245, 0.3455, 0.5628
Android (android.graphics.Color)	4284063490 (0xFF599F02)
YUV	120.1720, -58.2588, -27.3378
Hunter-Lab	51.8888, -33.9452, 31.3138

Details

The XYZ color **16.5289, 26.9245, 4.3832** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **8.9539, 3.9254, 33.0882**, and the grayscale version is **18.0877, 19.0296, 20.7233**.

A 20% lighter version of the original color is **36.9262, 54.5939, 14.8948**, and **5.7366, 10.7623, 1.7750** is the 20% darker color. If you saturate the color by 10%, you get **16.4329, 26.8771, 4.3217**, and if you desaturate by 10%, it is **17.3405, 27.3325, 4.9303**.

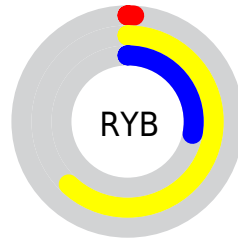
Distribution



Red (35%)

Green (62%)

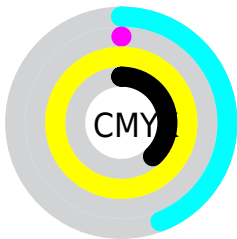
Blue (1%)



Red (1%)

Yellow (62%)

Blue (28%)

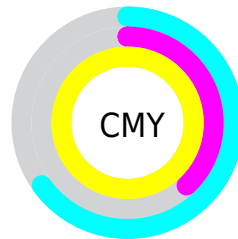


Cyan (44%)

Magenta (0%)

Yellow (99%)

Black (38%)



Cyan (65%)


Magenta (38%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.5289, 26.9245, 4.3832 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 16.5289, 26.9245, 4.3832 by changing the saturation by 10% instead.


 16.5289, 26.9245,
4.3832


 16.5289, 26.9245,
4.3832

225.6523,
287.2914, 152.3939


 9.9924, 17.5165,
1.8378


 37.0641, 54.7627,
14.8843


 5.4561, 10.6034,
0.4527


 51.7935, 73.9617,
23.6771


 2.5548, 5.8009,
0.0000

 69.9845, 97.1932,
35.3895

 0.9230, 2.7244,
0.0000

 92.0026, 124.8415,
50.4400


 0.0000, 0.9896,
0.0000


 118.2131,
157.2911, 69.2472


 0.0000, 0.0000,
0.0000


 148.9813,


194.9264, 92.2295


 184.6726,
238.1316, 119.8056


 16.5289, 26.9245,
4.3832


 16.5289, 26.9245,
4.3832


 16.4329, 26.8771,
4.3217

 17.3405, 27.3325,
4.9303

 18.2989, 27.8061,
5.9020

 19.4323, 28.3576,
7.4348

 20.7554, 28.9932,
9.5972

 22.2807, 29.7180,
12.4480

■ 24.0198, 30.5368,
16.0392

■ 25.9830, 31.4540,
20.4179

■ 28.1800, 32.4736,
25.6270

■ 30.6197, 33.5993,
31.7065

Harmonies

Analogous

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



23.8232, 26.9245, 2.2367



16.5289, 26.9245, 4.3832



12.5564, 26.9245, 13.0278

Triad

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



16.5289, 26.9245, 4.3832



18.9838, 26.9245, 104.6251



47.6616, 26.9245, 24.4320

Complementary

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



16.5289, 26.9245, 4.3832



8.9539, 3.9254, 33.0882

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.



45.4793, 26.9245, 55.4753



16.5289, 26.9245, 4.3832



27.4440, 26.9245, 114.7271

Square

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



16.5289, 26.9245, 4.3832



13.7164, 26.9245, 70.3765



37.4759, 26.9245, 92.9801



42.8750, 26.9245, 8.4675

Rectangle

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



16.5289, 26.9245, 4.3832



11.6403, 26.9245, 25.7791



37.4759, 26.9245, 92.9801



47.7307, 26.9245, 33.1628

Sweetspot

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



16.5295, 26.9257, 4.3838



45.8545, 56.0135, 35.0155



16.5026, 11.7613, 1.4582



10.0188, 12.4793, 7.1770



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.



16.5295, 26.9257, 4.3838



29.2016, 48.0153, 7.7288



12.5682, 24.8835, 4.1984



6.8845, 7.5731, 7.0846



13.0272, 21.2525, 3.4155



0.2812, 0.4049, 0.0633

Inverse Universe

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



8.9539, 3.9254, 33.0882



15.6315, 6.7636, 59.2251



18.5903, 8.8932, 33.5392



6.5515, 6.5728, 8.3301



7.0361, 3.0563, 26.1263



0.1738, 0.0794, 0.4694

Previews

White Background



This preview shows how the XYZ color 16.5289, 26.9245, 4.3832 looks on a white background.

Color Contrast Check

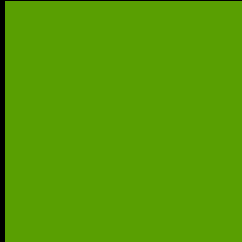
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.5289, 26.9245, 4.3832 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 16.5289, 26.9245, 4.3832

Background



This preview shows how black text looks on a background with the XYZ color 16.5289, 26.9245, 4.3832.



This preview shows how white text looks on a background with the XYZ color 16.5289, 26.9245,

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

16.5289, 26.9245, 4.3832

Protanopia

23.8230, 26.4207, 3.8441

Deuteranopia

27.1459, 26.6195, 5.0738



Tritanopia

23.1194, 26.9060, 37.2326

Trichromacy



Original Color

16.5289, 26.9245, 4.3832

Protanomaly

20.4269, 26.2503, 4.0189

Deuteranomaly

21.8119, 25.8101, 4.5417

Tritanomaly

19.0432, 26.2024, 16.8859

Monochromacy



Original Color

16.5289, 26.9245, 4.3832

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

16.1713, 20.8372, 10.1908

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5289, 26.9245, 4.3832 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(89, 159, 2)` looks like.

```
.text, #text, p{  
    color:rgb(89, 159, 2)  
}
```

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(89, 159, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 159, 2) }
```

Border

The CSS property to change the border of an element to XYZ 16.5289, 26.9245, 4.3832 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(89, 159, 2) }
```


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

```
.border{ border-color:rgb(89, 159, 2) }
```

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

Here you see how a box with a 4 pixel rgb(89, 159, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 159, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 159, 2);  
box-shadow:4px 4px 4px 4px rgb(89, 159, 2)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.5289, 26.9245, 4.3832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 159, 2) }
```

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

```
.background{ background-color: rgb(89, 159,  
2) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor