

Converting Colors

XYZ(16.8968, 26.5505, 2.5210)

Have a look what the booklet for
XYZ(16.8968, 26.5505, 2.5210)
contains.

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Color

**XYZ(17.3125, 26.8233,
4.2649)**

Conversions

Conversions Part 1

Format	Color
Hex	649D00
RGB	100, 157, 0
RGB Percent	39%, 62%, 0%
CMY	0.6078, 0.3843, 1.0000
CMYK	0.36, 0.00, 1.00, 0.38
HSL	82°, 100%, 31%
HSV	82°, 100%, 62%
XYZ	17.3125, 26.8233, 4.2649
YIQ	122.0590, 16.4250, -60.9110

Conversions

Conversions Part 2

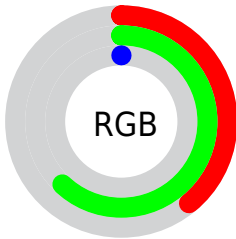
Format	Color
RYB	0, 157, 57
Decimal	6593792
CIELab	58.81, -39.03, 61.06
CIELCh	59, 72.469, 122.587
Yxy	26.8233, 0.3577, 0.5542
Android (android.graphics.Color)	4284783872 (0xFF649D00)
YUV	122.0590, -60.1751, -19.3457
Hunter-Lab	51.7912, -30.9666, 31.3714

Details

The XYZ color **17.3125, 26.8233, 4.2649** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **7.7745, 3.3050, 32.1281**, and the grayscale version is **18.7058, 19.6799, 21.4314**.

A 20% lighter version of the original color is **38.4235, 54.6228, 14.6490**, and **6.0903, 10.6386, 1.7325** is the 20% darker color. If you saturate the color by 10%, you get **17.3126, 26.8242, 4.2651**, and if you desaturate by 10%, it is **18.0573, 27.1976, 4.7769**.

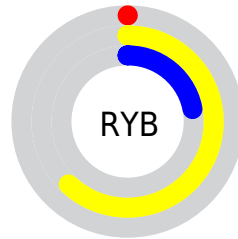
Distribution



Red (39%)

Green (62%)

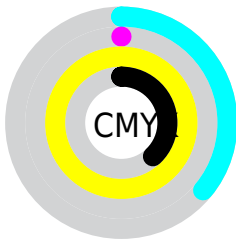
Blue (0%)



Red (0%)

Yellow (62%)

Blue (22%)

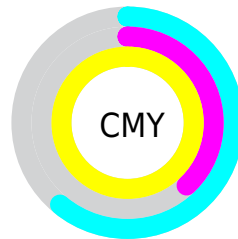


Cyan (36%)

Magenta (0%)

Yellow (100%)

Black (38%)



Cyan (61%)

Magenta (38%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.3125, 26.8233, 4.2649 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 17.3125, 26.8233, 4.2649 by changing the saturation by 10% instead.

■ 17.3125, 26.8233,
4.2649

■ 17.3125, 26.8233,
4.2649

230.0881,
286.8006, 151.1257

■ 10.5542, 17.4406,
1.7718

■ 38.4016, 54.6002,
14.6162

■ 5.8330, 10.5491,
0.4092

■ 53.4632, 73.7631,
23.3115

■ 2.7835, 5.7645,
0.0000

■ 72.0233, 96.9549,
34.9112

■ 1.0403, 2.7024,
0.0000

■ 94.4471, 124.5600,
49.8340


■ 0.0000, 0.9784,
0.0000


■ 121.1002,
156.9627, 68.4983


■ 0.0000, 0.0000,
0.0000


■ 152.3478,


194.5474, 91.3226


 188.5554,
237.6986, 118.7256


 17.3125, 26.8233,
4.2649


 17.3125, 26.8233,
4.2649


 17.3126, 26.8242,
4.2651

 18.0573, 27.1976,
4.7769

 18.9165, 27.6219,
5.6595

 19.9228, 28.1103,
7.0770

 21.0898, 28.6684,
9.0973

 22.4292, 29.3010,
11.7781

■ 23.9517, 30.0123,
15.1706

■ 25.6666, 30.8063,
19.3208

■ 27.5828, 31.6865,
24.2708

■ 29.7083, 32.6563,
30.0598

Harmonies

Analogous

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



24.7269, 26.8233, 2.4663



17.3125, 26.8233, 4.2649



13.0776, 26.8233, 11.8984

Triad

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



17.3125, 26.8233, 4.2649



18.3714, 26.8233, 98.3256



46.8100, 26.8233, 27.0403

Complementary

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



17.3125, 26.8233, 4.2649



7.7745, 3.3050, 32.1281

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.



44.0002, 26.8233, 58.2396



17.3125, 26.8233, 4.2649



26.2784, 26.8233, 111.1507

Square

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



17.3125, 26.8233, 4.2649



13.5810, 26.8233, 64.5509



35.9180, 26.8233, 93.4193



42.8935, 26.8233, 9.9066

Rectangle

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



17.3125, 26.8233, 4.2649



11.9659, 26.8233, 23.3035



35.9180, 26.8233, 93.4193



46.6210, 26.8233, 36.0294

Sweetspot

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



17.3131, 26.8245, 4.2655



45.7747, 55.0809, 34.1263



15.2696, 9.8969, 1.1058



9.8016, 11.9951, 6.8423



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



17.3131, 26.8245, 4.2655



30.7876, 47.9258, 7.6279



12.4240, 24.3040, 4.0367



6.9364, 7.5998, 7.0870



14.1018, 21.8065, 3.4658



0.2971, 0.4131, 0.0641

Inverse Universe

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



7.7745, 3.3050, 32.1281



13.7287, 5.8184, 57.5262



15.8311, 7.4583, 32.5051



6.5008, 6.5466, 8.3277



6.3513, 2.7032, 26.0943



0.1579, 0.0712, 0.4686

Previews

White Background



This preview shows how the XYZ color 17.3125, 26.8233, 4.2649 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 17.3125, 26.8233, 4.2649 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 17.3125, 26.8233, 4.2649

Background



This preview shows how black text looks on a background with the XYZ color 17.3125, 26.8233, 4.2649.



This preview shows how white text looks on a background with the XYZ color 17.3125, 26.8233,

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

17.3125, 26.8233, 4.2649

Protanopia

23.8230, 26.4207, 3.8441

Deuteranopia

26.9039, 26.4962, 4.9926



Tritanopia

23.7866, 26.8083, 36.2686

Trichromacy



Original Color

17.3125, 26.8233, 4.2649

Protanomaly

20.9150, 26.2707, 3.9684

Deuteranomaly

22.1937, 25.7861, 4.4693

Tritanomaly

19.8109, 26.1318, 16.3117

Monochromacy



Original Color

17.3125, 26.8233, 4.2649

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

16.9785, 21.4554, 10.4542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3125, 26.8233, 4.2649 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(100, 157, 0)` looks like.

```
.text, #text, p{  
    color:rgb(100, 157, 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(100, 157, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 157, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.3125, 26.8233, 4.2649 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(100, 157, 0) }
```


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

```
.border{ border-color:rgb(100, 157, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 157, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 157, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 157, 0);  
box-shadow:4px 4px 4px 4px rgb(100, 157,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 17.3125, 26.8233, 4.2649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 157, 0) }
```

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

```
.background{ background-color: rgb(100,  
157, 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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