

Converting Colors

XYZ(16.8846, 26.3893, 13.9240)

Have a look what the booklet for
XYZ(16.8846, 26.3893, 13.9240)
contains.

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Color

**XYZ(16.8829, 26.3886,
13.8766)**

Conversions

Conversions Part 1

Format	Color
Hex	4C9D5A
RGB	76, 157, 90
RGB Percent	30%, 62%, 35%
CMY	0.7020, 0.3843, 0.6471
CMYK	0.52, 0.00, 0.43, 0.38
HSL	130°, 35%, 46%
HSV	130°, 52%, 62%
XYZ	16.8829, 26.3886, 13.8766
YIQ	125.1430, -26.7690, -38.0090

Conversions

Conversions Part 2

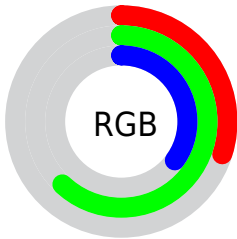
Format	Color
RYB	76, 145, 157
Decimal	5021018
CIELab	58.40, -39.64, 27.64
CIELCh	58, 48.324, 145.119
Yxy	26.3886, 0.2954, 0.4618
Android (android.graphics.Color)	4283211098 (0xFF4C9D5A)
YUV	125.1430, -17.3255, -43.0984
Hunter-Lab	51.3698, -31.2325, 19.9428

Details

The XYZ color **16.8829, 26.3886, 13.8766** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **21.4477, 14.3206, 27.6209**, and the grayscale version is **19.6047, 20.6257, 22.4614**.

A 20% lighter version of the original color is **37.5571, 53.7559, 33.5958**, and **5.6536, 10.3631, 3.9878** is the 20% darker color. If you saturate the color by 10%, you get **15.2793, 25.6210, 11.1641**, and if you desaturate by 10%, it is **18.8889, 27.3539, 17.1132**.

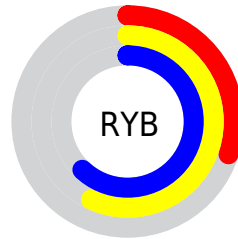
Distribution



Red (30%)

Green (62%)

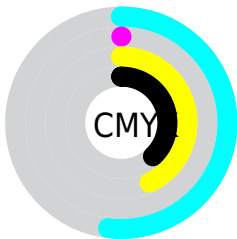
Blue (35%)



Red (30%)

Yellow (57%)

Blue (62%)

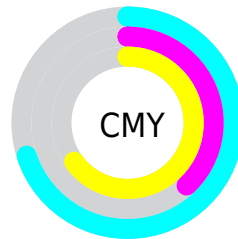


Cyan (52%)

Magenta (0%)

Yellow (43%)

Black (38%)



Cyan (70%)

Magenta (38%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8829, 26.3886, 13.8766 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 16.8829, 26.3886, 13.8766 by changing the saturation by 10% instead.

■ 16.8829, 26.3886,
13.8766

■ 16.8829, 26.3886,
13.8766

227.6661,
284.6845, 227.8635

■ 10.2458, 17.1146,
7.8971

■ 37.6695, 53.9012,
33.5839

■ 5.6258, 10.3162,
3.9424

■ 52.5498, 72.9086,
48.1488

■ 2.6574, 5.6091,
1.5938

■ 70.9085, 95.9292,
66.4125

■ 0.9753, 2.6089,
0.2864

■ 93.1110, 123.3474,
88.7937

■ 0.0000, 0.9311,
0.0000

■ 119.5227,
155.5476, 115.7109

■ 0.0000, 0.0000,
0.0000

150.5088,

192.9143, 147.5825

186.4348,
235.8318, 184.8272

■ 16.8829, 26.3886,
13.8766

■ 16.8829, 26.3886,
13.8766

■ 15.2793, 25.6210,
11.1641

■ 18.8889, 27.3539,
17.1132

■ 14.0484, 25.0343,
8.9465

■ 21.3202, 28.5260,
20.8978

■ 13.1598, 24.6141,
7.1943

■ 24.2003, 29.9173,
25.2546

■ 12.5772, 24.3423,
5.8741

■ 27.5504, 31.5383,
30.2061

■ 12.2569, 24.1947,
5.0694

■ 31.3906, 33.3987,
35.7736

■ 35.7393, 35.5078,
41.9771

■ 40.6145, 37.8743,
48.8360

■ 46.0330, 40.5065,
56.3687

■ 52.0108, 43.4123,
64.5929

Harmonies

Analogous

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



20.5699, 26.3886, 8.2203



16.8829, 26.3886, 13.8766



15.3959, 26.3886, 26.0577

Triad

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



16.8829, 26.3886, 13.8766



24.1293, 26.3886, 74.7484



36.8114, 26.3886, 17.0353

Complementary

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



16.8829, 26.3886, 13.8766



21.4477, 14.3206, 27.6209

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.



38.1593, 26.3886, 31.5848



16.8829, 26.3886, 13.8766



30.2090, 26.3886, 69.3003

Square

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



16.8829, 26.3886, 13.8766



19.1404, 26.3886, 64.4496



35.5796, 26.3886, 51.5892



32.1401, 26.3886, 9.4790

Rectangle

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



16.8829, 26.3886, 13.8766



15.6511, 26.3886, 38.0616



35.5796, 26.3886, 51.5892



37.6964, 26.3886, 21.0682

Sweetspot

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



16.8836, 26.3897, 13.8772



47.0203, 55.3578, 50.6901



24.7769, 30.5214, 11.4229



10.0881, 12.0561, 10.7723



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.



16.8836, 26.3897, 13.8772



26.9660, 45.6934, 19.2989



19.0674, 27.2632, 25.3772



6.5952, 7.4188, 7.3031



9.9645, 19.6538, 4.1703



0.1896, 0.3560, 0.1347

Inverse Universe

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



21.4477, 14.3206, 27.6209



36.0500, 21.6013, 46.5999



18.9379, 13.3167, 14.4046



6.8549, 6.7349, 8.0871



14.5700, 7.1326, 17.7847



0.2724, 0.1323, 0.3804

Previews

White Background



This preview shows how the XYZ color 16.8829, 26.3886, 13.8766 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 16.8829, 26.3886, 13.8766 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 16.8829, 26.3886, 13.8766

Background



This preview shows how black text looks on a background with the XYZ color 16.8829, 26.3886, 13.8766.



This preview shows how white text looks on a background with the XYZ color 16.8829, 26.3886,

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

16.8829, 26.3886, 13.8766

Protanopia

24.0763, 26.1530, 11.9627

Deuteranopia

26.5728, 26.1102, 14.7056



Tritanopia

21.6947, 26.3953, 37.6696

Trichromacy



Original Color

16.8829, 26.3886, 13.8766

Protanomaly

20.4160, 25.5896, 12.6674

Deuteranomaly

21.5249, 25.2225, 14.3236

Tritanomaly

19.5319, 26.2320, 26.9555

Monochromacy



Original Color

16.8829, 26.3886, 13.8766

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

17.9337, 22.1870, 18.6665

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8829, 26.3886, 13.8766 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(76, 157, 90)` looks like.

```
.text, #text, p{  
    color:rgb(76, 157, 90)  
}
```

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(76, 157, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 157, 90) }
```

Border

The CSS property to change the border of an element to XYZ 16.8829, 26.3886, 13.8766 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(76, 157, 90) }
```


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

```
.border{ border-color:rgb(76, 157, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 157, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 157, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 157, 90);  
box-shadow:4px 4px 4px 4px rgb(76, 157,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8829, 26.3886, 13.8766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 157, 90) }
```

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

```
.background{ background-color: rgb(76, 157,  
90) }
```

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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