

Converting Colors

XYZ(16.3382, 29.0396, 14.7581)

Have a look what the booklet for
XYZ(16.3382, 29.0396, 14.7581)
contains.

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Color

**XYZ(16.3353, 28.9846,
14.8589)**

Conversions

Conversions Part 1

Format	Color
Hex	19A85C
RGB	25, 168, 92
RGB Percent	10%, 66%, 36%
CMY	0.9019, 0.3412, 0.6392
CMYK	0.85, 0.00, 0.45, 0.34
HSL	148°, 74%, 38%
HSV	148°, 85%, 66%
XYZ	16.3353, 28.9846, 14.8589
YIQ	116.5790, -60.8320, -53.9520

Conversions

Conversions Part 2

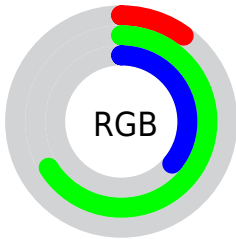
Format	Color
R_{YB}	25, 122, 168
Decimal	1681500
CIE _{Lab}	60.77, -52.90, 29.39
CIE _{LCh}	61, 60.520, 150.947
Yxy	28.9846, 0.2714, 0.4816
Android (android.graphics.Color)	4279871580 (0xFF19A85C)
YUV	116.5790, -12.1174, -80.3148
Hunter-Lab	53.8373, -40.0550, 21.3223

Details

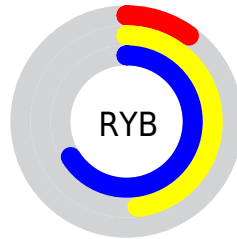
The XYZ color **16.3353, 28.9846, 14.8589** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **18.8460, 9.9603, 13.2425**, and the grayscale version is **16.8289, 17.7053, 19.2811**.

A 20% lighter version of the original color is **36.6506, 57.8911, 35.2290**, and **6.4719, 12.2165, 4.3998** is the 20% darker color. If you saturate the color by 10%, you get **15.6700, 28.6849, 12.9093**, and if you desaturate by 10%, it is **17.2956, 29.4327, 17.0638**.

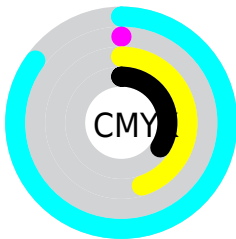
Distribution



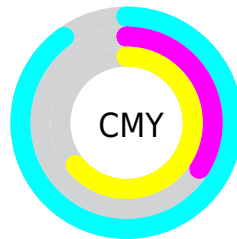
- Red (10%)
- Green (66%)
- Blue (36%)



- Red (10%)
- Yellow (48%)
- Blue (66%)



- Cyan (85%)
- Magenta (0%)
- Yellow (45%)
- Black (34%)





- Cyan (90%)
- Magenta (34%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.3353, 28.9846, 14.8589 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 16.3353, 28.9846, 14.8589 by changing the saturation by 10% instead.


 16.3353, 28.9846,
14.8589


 16.3353, 28.9846,
14.8589


224.5439,
297.1423, 234.1219


 9.8541, 19.0692,
8.5749


 36.7321, 58.0526,
35.3443


 5.3638, 11.7203,
4.3720


 51.3784, 77.9740,
50.3827


 2.4992, 6.5535,
1.8315


 69.4771, 101.9995,
69.1763

 0.8949, 3.1845,
0.4486

 91.3935, 130.5135,
92.1438

 0.0000, 1.2288,
0.0000

 117.4930,
163.9003, 119.7035

 0.0000, 0.0850,
0.0000

 148.1411,

 0.0000, 0.0000,

202.5445, 152.2740

0.0000

183.7029,
246.8304, 190.2740

■ 16.3353, 28.9846,
14.8589

■ 16.3353, 28.9846,
14.8589

■ 15.6700, 28.6849,
12.9093

■ 17.2956, 29.4327,
17.0638

■ 15.4040, 28.5666,
12.0445

■ 18.5903, 30.0468,
19.5318

■ 20.2537, 30.8454,
22.2728

■ 22.3151, 31.8433,
25.2952

■ 24.8006, 33.0539,
28.6074

■ 27.7342, 34.4894,
32.2170

■ 31.1378, 36.1608,
36.1315

■ 35.0319, 38.0788,
40.3582

■ 39.4359, 40.2531,
44.9040

Harmonies

Analogous

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



20.4840, 28.9846, 7.0879



16.3353, 28.9846, 14.8589



15.0306, 28.9846, 32.2798

Triad

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



16.3353, 28.9846, 14.8589



27.7995, 28.9846, 97.6484



42.6529, 28.9846, 14.1218

Complementary

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



16.3353, 28.9846, 14.8589



18.8460, 9.9603, 13.2425

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.



45.5951, 28.9846, 30.8496



16.3353, 28.9846, 14.8589



36.0761, 28.9846, 85.1503

Square

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



16.3353, 28.9846, 14.8589



20.8411, 28.9846, 86.5438



42.9880, 28.9846, 57.5959



35.5609, 28.9846, 6.8269

Rectangle

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



16.3353, 28.9846, 14.8589



15.7061, 28.9846, 49.7031



42.9880, 28.9846, 57.5959



44.2144, 28.9846, 18.4750

Sweetspot

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



16.3360, 28.9858, 14.8596



49.5524, 62.2046, 57.5369



19.5758, 30.8588, 5.8446



10.4053, 13.3645, 12.0614



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



16.3360, 28.9858, 14.8596



27.8453, 51.7939, 21.2950



21.0362, 30.8658, 39.6104



7.5775, 8.4641, 8.7615



11.6576, 21.5818, 9.2295



0.3096, 0.5355, 0.3615

Inverse Universe

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



18.8460, 9.9603, 13.2425



32.4884, 16.3805, 18.1417



16.7282, 9.1132, 2.0904



7.6915, 7.6064, 8.6925



13.5916, 6.8454, 7.9270



0.3562, 0.1768, 0.3272

Previews

White Background



This preview shows how the XYZ color 16.3353, 28.9846, 14.8589 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 16.3353, 28.9846, 14.8589 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 16.3353, 28.9846, 14.8589

Background



This preview shows how black text looks on a background with the XYZ color 16.3353, 28.9846, 14.8589.



This preview shows how white text looks on a background with the XYZ color 16.3353, 28.9846,

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

16.3353, 28.9846, 14.8589

Protanopia

26.3763, 28.6714, 12.5315

Deuteranopia

28.9403, 28.3648, 15.7540



Tritanopia

22.0913, 28.9331, 43.4500

Trichromacy



Original Color

16.3353, 28.9846, 14.8589



Protanomaly

19.8314, 27.1788, 13.2176



Deuteranomaly

20.7634, 26.6503, 15.1160



Tritanomaly

19.2435, 28.5276, 30.4787

Monochromacy



Original Color

16.3353, 28.9846, 14.8589



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

15.1671, 20.5758, 17.3595

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3353, 28.9846, 14.8589 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(25, 168, 92)` looks like.

```
.text, #text, p{  
    color:rgb(25, 168, 92)  
}
```

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(25, 168, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 168, 92) }
```

Border

The CSS property to change the border of an element to XYZ 16.3353, 28.9846, 14.8589 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(25, 168, 92) }
```


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

```
.border{ border-color:rgb(25, 168, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 168, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 168, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 168, 92);  
box-shadow:4px 4px 4px 4px rgb(25, 168,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3353, 28.9846, 14.8589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 168, 92) }
```

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

```
.background{ background-color: rgb(25, 168,  
92) }
```

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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