

Converting Colors

XYZ(16.6573, 28.2223, 17.1399)

Have a look what the booklet for
XYZ(16.6573, 28.2223, 17.1399)
contains.

XYZ(16.6901, 28.3009, 17.1533)	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(16.6901, 28.3009,
17.1533)**

Conversions

Conversions Part 1

Format	Color
Hex	27A566
RGB	39, 165, 102
RGB Percent	15%, 65%, 40%
CMY	0.8470, 0.3529, 0.6000
CMYK	0.76, 0.00, 0.38, 0.35
HSL	150°, 62%, 40%
HSV	150°, 76%, 65%
XYZ	16.6901, 28.3009, 17.1533
YIQ	120.1440, -54.8730, -46.3050

Conversions

Conversions Part 2

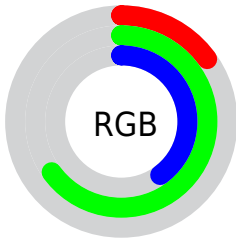
Format	Color
R_{YB}	39, 123, 165
Decimal	2598246
CIE _{Lab}	60.16, -48.28, 23.29
CIE _{LCh}	60, 53.608, 154.247
Yxy	28.3009, 0.2686, 0.4554
Android (android.graphics.Color)	4280788326 (0xFF27A566)
YUV	120.1440, -8.9450, -71.1633
Hunter-Lab	53.1986, -37.0964, 18.1216

Details

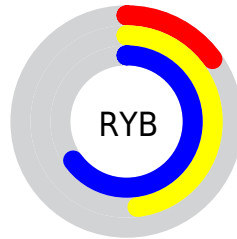
The XYZ color **16.6901, 28.3009, 17.1533** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **18.6418, 10.4103, 13.5984**, and the grayscale version is **17.9397, 18.8740, 20.5538**.

A 20% lighter version of the original color is **37.3981, 56.9891, 39.6008**, and **6.4600, 11.8547, 5.4377** is the 20% darker color. If you saturate the color by 10%, you get **15.8070, 27.8913, 15.0817**, and if you desaturate by 10%, it is **17.8871, 28.8691, 19.4534**.

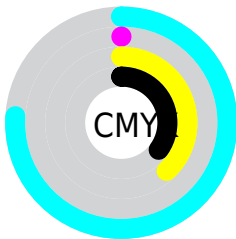
Distribution



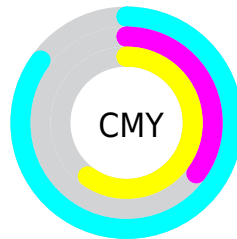
- Red (15%)
- Green (65%)
- Blue (40%)



- Red (15%)
- Yellow (48%)
- Blue (65%)



- Cyan (76%)
- Magenta (0%)
- Yellow (38%)
- Black (35%)



- Cyan (85%)
- Magenta (35%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6901, 28.3009, 17.1533 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 16.6901, 28.3009, 17.1533 by changing the saturation by 10% instead.

■ 16.6901, 28.3009,
17.1533

■ 16.6901, 28.3009,
17.1533

226.5714,
293.9019, 248.1280

■ 10.1077, 18.5526,
10.1807

■ 37.3400, 56.9645,
39.3834

■ 5.5333, 11.3475,
5.4118

■ 52.1383, 76.6486,
55.4781

■ 2.6013, 6.3010,
2.4279

■ 70.4059, 100.4134,
75.4505

■ 0.9466, 3.0290,
0.8016

■ 92.5082, 128.6433,
99.7192

■ 0.0000, 1.1469,
0.0000

■ 118.8105,
161.7227, 128.7028

■ 0.0000, 0.0177,
0.0000

■ 149.6782,

■ 0.0000, 0.0000,

200.0360, 162.8198

0.0000

185.4767,
243.9676, 202.4887

■ 16.6901, 28.3009,
17.1533

■ 16.6901, 28.3009,
17.1533

■ 15.8070, 27.8913,
15.0817

■ 17.8871, 28.8691,
19.4534

■ 15.1905, 27.6139,
13.2285

■ 19.4284, 29.6091,
21.9876

■ 14.9977, 27.5281,
12.6057

■ 21.3427, 30.5366,
24.7635

■ 23.6553, 31.6642,
27.7878

■ 26.3889, 33.0037,
31.0668

■ 29.5646, 34.5658,
34.6067

■ 33.2021, 36.3605,
38.4133

■ 37.3197, 38.3972,
42.4923

■ 41.9348, 40.6847,
46.8492

Harmonies

Analogous

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



20.1437, 28.3009, 8.9612



16.6901, 28.3009, 17.1533



15.7812, 28.3009, 33.6950

Triad

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



16.6901, 28.3009, 17.1533



27.8869, 28.3009, 85.8558



39.3292, 28.3009, 14.0817

Complementary

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



16.6901, 28.3009, 17.1533



18.6418, 10.4103, 13.5984

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.



42.2976, 28.3009, 28.1037



16.6901, 28.3009, 17.1533



35.0177, 28.3009, 73.7254

Square

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



16.6901, 28.3009, 17.1533



21.5700, 28.3009, 78.8388



40.5997, 28.3009, 50.2942



33.0409, 28.3009, 7.7896

Rectangle

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



16.6901, 28.3009, 17.1533



16.5838, 28.3009, 49.0578



40.5997, 28.3009, 50.2942



40.7927, 28.3009, 17.7691

Sweetspot

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



16.6908, 28.3020, 17.1540



48.8475, 59.8855, 57.4516



19.5428, 30.0070, 6.6817



10.2741, 12.8933, 12.0966



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



16.6908, 28.3020, 17.1540



27.4638, 49.5681, 24.5414



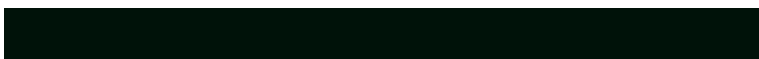
20.8946, 29.9836, 39.2909



7.1263, 7.9513, 8.2770



11.3708, 20.8346, 9.6689



0.2628, 0.4473, 0.3288

Inverse Universe

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



18.6418, 10.4103, 13.5984



31.1258, 15.9847, 17.8674



16.6453, 9.6117, 3.0852



7.2145, 7.1423, 8.1162



12.9307, 6.5283, 6.8258



0.2956, 0.1467, 0.2690

Previews

White Background



This preview shows how the XYZ color 16.6901, 28.3009, 17.1533 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 16.6901, 28.3009, 17.1533 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 16.6901, 28.3009, 17.1533

Background



This preview shows how black text looks on a background with the XYZ color 16.6901, 28.3009, 17.1533.



This preview shows how white text looks on a background with the XYZ color 16.6901, 28.3009,

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

16.6901, 28.3009, 17.1533

Protanopia

25.6593, 27.8048, 14.3704

Deuteranopia

28.3728, 27.8057, 18.0590



Tritanopia

21.7669, 28.2814, 42.3418

Trichromacy



Original Color

16.6901, 28.3009, 17.1533



Protanomaly

20.1496, 26.8117, 15.1795



Deuteranomaly

21.2175, 26.3580, 17.6050



Tritanomaly

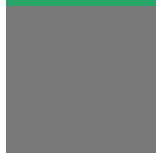
19.4266, 28.0855, 31.1852

Monochromacy



Original Color

16.6901, 28.3009, 17.1533



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

16.0992, 21.0247, 18.8324

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6901, 28.3009, 17.1533 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(39, 165, 102)` looks like.

```
.text, #text, p{  
    color:rgb(39, 165, 102)  
}
```

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(39, 165, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 165, 102) }
```

Border

The CSS property to change the border of an element to XYZ 16.6901, 28.3009, 17.1533 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(39, 165, 102) }
```


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

```
.border{ border-color:rgb(39, 165, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 165, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 165, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 165, 102);  
box-shadow:4px 4px 4px 4px rgb(39, 165,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6901, 28.3009, 17.1533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 165, 102) }
```

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

```
.background{ background-color: rgb(39, 165,  
102) }
```

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