

Converting Colors

XYZ(16.2163, 28.3312, 16.9257)

Have a look what the booklet for
XYZ(16.2163, 28.3312, 16.9257)
contains.

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Color

**XYZ(16.2163, 28.3312,
16.9257)**

Conversions

Conversions Part 1

Format	Color
Hex	11A665
RGB	17, 166, 101
RGB Percent	7%, 65%, 40%
CMY	0.9333, 0.3490, 0.6039
CMYK	0.90, 0.00, 0.39, 0.35
HSL	154°, 81%, 36%
HSV	154°, 90%, 65%
XYZ	16.2163, 28.3312, 16.9257
YIQ	114.0390, -67.9390, -51.8030

Conversions

Conversions Part 2

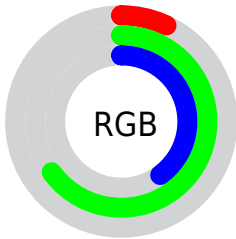
Format	Color
RYB	17, 112, 166
Decimal	1156709
CIELab	60.19, -51.08, 23.82
CIELCh	60, 56.357, 154.998
Yxy	28.3312, 0.2638, 0.4609
Android (android.graphics.Color)	4279346789 (0xFF11A665)
YUV	114.0390, -6.4282, -85.1032
Hunter-Lab	53.2271, -38.7651, 18.4053

Details

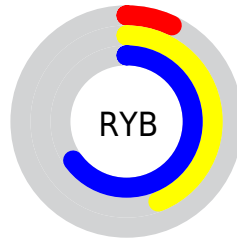
The XYZ color **16.2163, 28.3312, 16.9257** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **17.4501, 9.1176, 8.8236**, and the grayscale version is **16.0399, 16.8752, 18.3771**.

A 20% lighter version of the original color is **36.4049, 56.8892, 38.7677**, and **6.5477, 12.0673, 5.3523** is the 20% darker color. If you saturate the color by 10%, you get **15.6514, 28.0800, 15.1284**, and if you desaturate by 10%, it is **17.0032, 28.6948, 18.8979**.

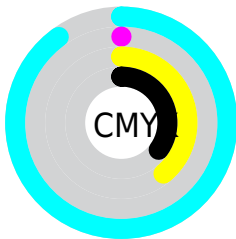
Distribution



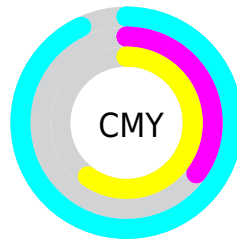
- Red (7%)
- Green (65%)
- Blue (40%)



- Red (7%)
- Yellow (44%)
- Blue (65%)



- Cyan (90%)
- Magenta (0%)
- Yellow (39%)
- Black (35%)





- Cyan (93%)
- Magenta (35%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.2163, 28.3312, 16.9257 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 16.2163, 28.3312, 16.9257 by changing the saturation by 10% instead.


 16.2163, 28.3312,
16.9257


 16.2163, 28.3312,
16.9257


223.8601,
294.0461, 246.7733


 9.7692, 18.5755,
10.0201


 36.5277, 57.0128,
38.9869


 5.3073, 11.3639,
5.3065


 51.1227, 76.7074,
54.9796


 2.4652, 6.3122,
2.3663


 69.1644, 100.4838,
74.8384

 0.8778, 3.0358,
0.7680

 91.0181, 128.7264,
98.9819

 0.0000, 1.1505,
0.0000

 117.0491,
161.8195, 127.8286

 0.0000, 0.0207,
0.0000

 147.6229,

 0.0000, 0.0000,

200.1476, 161.7970

0.0000

183.1048,
244.0950, 201.3057

■ 16.2163, 28.3312,
16.9257

■ 16.2163, 28.3312,
16.9257

■ 15.6514, 28.0800,
15.1284

■ 17.0032, 28.6948,
18.8979

■ 15.6385, 28.0742,
15.0868

■ 18.0847, 29.2058,
21.0507

■ 19.4962, 29.8831,
23.3900

■ 21.2670, 30.7418,
25.9212

■ 23.4233, 31.7953,
28.6490

■ 25.9886, 33.0556,
31.5781

■ 28.9846, 34.5338,
34.7130

■ 32.4312, 36.2401,
38.0579

■ 36.3472, 38.1841,
41.6169

Harmonies

Analogous

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



19.7335, 28.3312, 8.4148



16.2163, 28.3312, 16.9257



15.3436, 28.3312, 34.4377

Triad

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



16.2163, 28.3312, 16.9257



28.1539, 28.3312, 89.7153



39.9561, 28.3312, 13.2195

Complementary

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



16.2163, 28.3312, 16.9257



17.4501, 9.1176, 8.8236

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.



43.2346, 28.3312, 27.5165



16.2163, 28.3312, 16.9257



35.6877, 28.3312, 76.1430

Square

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



16.2163, 28.3312, 16.9257



21.4832, 28.3312, 82.6369



41.5480, 28.3312, 50.8560



33.2228, 28.3312, 7.0422

Rectangle

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



16.2163, 28.3312, 16.9257



16.2160, 28.3312, 50.8522



41.5480, 28.3312, 50.8560



41.5486, 28.3312, 16.9275

Sweetspot

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



16.2170, 28.3323, 16.9264



48.3220, 60.5604, 58.5595



17.3989, 29.2013, 5.2498



10.4416, 13.3691, 12.7007



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.



16.2170, 28.3323, 16.9264



28.2733, 50.9069, 26.8110



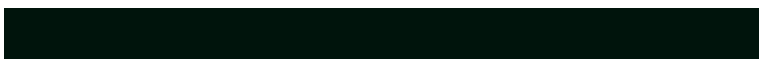
19.4358, 27.5153, 40.3644



7.6072, 8.4759, 8.9176



12.1502, 21.7789, 11.8239



0.3206, 0.5399, 0.4193

Inverse Universe

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



17.4501, 9.1176, 8.8236



30.5865, 15.5316, 12.1070



16.1638, 8.8199, 1.3809



7.6619, 7.5946, 8.5369



13.1350, 6.6627, 5.5224



0.3455, 0.1725, 0.2706

Previews

White Background



This preview shows how the XYZ color 16.2163, 28.3312, 16.9257 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 16.2163, 28.3312, 16.9257 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 16.2163, 28.3312, 16.9257

Background



This preview shows how black text looks on a background with the XYZ color 16.2163, 28.3312, 16.9257.



This preview shows how white text looks on a background with the XYZ color 16.2163, 28.3312,

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

16.2163, 28.3312, 16.9257

Protanopia

25.8097, 27.8873, 14.1477

Deuteranopia

28.3199, 27.7845, 17.7803



Tritanopia

21.5642, 28.4181, 42.8768

Trichromacy



Original Color

16.2163, 28.3312, 16.9257



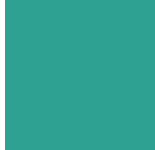
Protanomaly

19.2377, 26.3469, 14.8980



Deuteranomaly

20.0791, 25.7771, 17.2818



Tritanomaly

19.0599, 28.1459, 31.6223

Monochromacy



Original Color

16.2163, 28.3312, 16.9257



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

14.3723, 19.5414, 17.4824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2163, 28.3312, 16.9257 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(17, 166, 101)` looks like.

```
.text, #text, p{  
    color:rgb(17, 166, 101)  
}
```

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(17, 166, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 166, 101) }
```

Border

The CSS property to change the border of an element to XYZ 16.2163, 28.3312, 16.9257 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(17, 166, 101) }
```


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

```
.border{ border-color:rgb(17, 166, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 166, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 166, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 166, 101);  
box-shadow:4px 4px 4px 4px rgb(17, 166,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2163, 28.3312, 16.9257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 166, 101) }
```

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

```
.background{ background-color: rgb(17, 166,  
101) }
```

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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