

Converting Colors

XYZ(15.5536, 27.9667, 14.8661)

Have a look what the booklet for
XYZ(15.5536, 27.9667, 14.8661)
contains.

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Color

**XYZ(15.6120, 28.0627,
14.9497)**

Conversions

Conversions Part 1

Format	Color
Hex	00A65D
RGB	0, 166, 93
RGB Percent	0%, 65%, 36%
CMY	1.0000, 0.3490, 0.6353
CMYK	1.00, 0.00, 0.44, 0.35
HSL	154°, 100%, 33%
HSV	154°, 100%, 65%
XYZ	15.6120, 28.0627, 14.9497
YIQ	108.0440, -75.5030, -57.8950

Conversions

Conversions Part 2

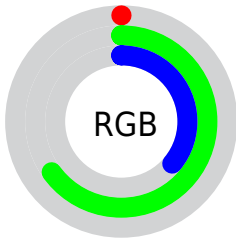
Format	Color
RYB	0, 106, 166
Decimal	42589
CIELab	59.95, -53.52, 27.76
CIELCh	60, 60.295, 152.585
Yxy	28.0627, 0.2663, 0.4787
Android (android.graphics.Color)	4278232669 (0xFF00A65D)
YUV	108.0440, -7.4167, -94.7546
Hunter-Lab	52.9742, -40.0993, 20.3499

Details

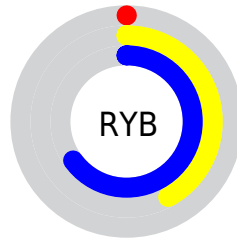
The XYZ color **15.6120, 28.0627, 14.9497** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **16.9296, 8.5887, 7.0709**, and the grayscale version is **14.3028, 15.0477, 16.3869**.

A 20% lighter version of the original color is **35.3718, 56.4298, 35.4133**, and **6.3788, 11.9997, 4.4626** is the 20% darker color. If you saturate the color by 10%, you get **15.6123, 28.0637, 14.9492**, and if you desaturate by 10%, it is **16.1759, 28.3150, 16.7463**.

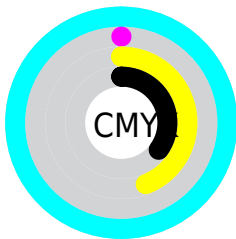
Distribution



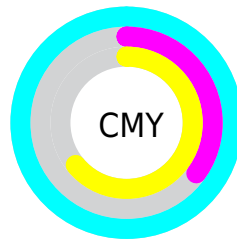
- Red (0%)
- Green (65%)
- Blue (36%)



- Red (0%)
- Yellow (42%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (44%)
- Black (35%)





- Cyan (100%)
- Magenta (35%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.6120, 28.0627, 14.9497 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 15.6120, 28.0627, 14.9497 by changing the saturation by 10% instead.


 15.6120, 28.0627,
14.9497


 15.6120, 28.0627,
14.9497


220.3569,
292.7664, 234.6918


 9.3391, 18.3729,
8.6379


 35.4862, 56.5845,
35.5060


 5.0219, 11.2181,
4.4122


 49.8182, 76.1854,
50.5875

 2.2950, 6.2137,
1.8541

 67.5674, 99.8587,
69.4293

 0.7921, 2.9755,
0.4633

 89.0990, 127.9889,
92.4500

 0.0000, 1.1189,
0.0000

 114.7783,
160.9604, 120.0680

 0.0000, 0.0000,
0.0000

 144.9709,

199.1575, 152.7020

180.0419,
242.9647, 190.7704

■ 15.6120, 28.0627,
14.9497

■ 15.6120, 28.0627,
14.9497

■ 15.6123, 28.0637,
14.9492

■ 16.1759, 28.3150,
16.7463

■ 16.9564, 28.6745,
18.7179

■ 18.0318, 29.1823,
20.8730

■ 19.4369, 29.8562,
23.2172

■ 21.2012, 30.7114,
25.7557

■ 23.3509, 31.7613,
28.4936

■ 25.9097, 33.0179,
31.4355

■ 28.8991, 34.4924,
34.5861

■ 32.3394, 36.1950,
37.9496

Harmonies

Analogous

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



19.4967, 28.0627, 7.0041



15.6120, 28.0627, 14.9497



14.4922, 28.0627, 32.4987

Triad

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



15.6120, 28.0627, 14.9497



27.3429, 28.0627, 95.0946



41.1186, 28.0627, 12.9947

Complementary

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



15.6120, 28.0627, 14.9497



16.9296, 8.5887, 7.0709

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.



44.2718, 28.0627, 28.6913



15.6120, 28.0627, 14.9497



35.4235, 28.0627, 81.7062

Square

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



15.6120, 28.0627, 14.9497



20.4458, 28.0627, 85.4283



42.0119, 28.0627, 54.4027



34.0508, 28.0627, 6.3151

Rectangle

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



15.6120, 28.0627, 14.9497



15.2475, 28.0627, 49.8020



42.0119, 28.0627, 54.4027



42.7267, 28.0627, 17.0426

Sweetspot

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



15.6127, 28.0638, 14.9503



46.7395, 59.7833, 56.7393



16.5156, 28.7575, 4.6806



10.0212, 13.1629, 12.2043



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.



15.6127, 28.0638, 14.9503



28.2259, 50.8879, 26.5612



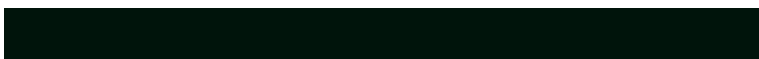
19.0596, 27.1059, 40.3051



7.6061, 8.4755, 8.9118



12.1300, 21.7708, 11.7173



0.3202, 0.5397, 0.4171

Inverse Universe

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



16.9296, 8.5887, 7.0709



30.6213, 15.5456, 12.2905



15.8167, 8.2877, 0.7664



7.6630, 7.5951, 8.5427



13.1501, 6.6687, 5.6019



0.3459, 0.1726, 0.2727

Previews

White Background



This preview shows how the XYZ color 15.6120, 28.0627, 14.9497 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 15.6120, 28.0627, 14.9497 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 15.6120, 28.0627, 14.9497

Background



This preview shows how black text looks on a background with the XYZ color 15.6120, 28.0627, 14.9497.



This preview shows how white text looks on a background with the XYZ color 15.6120, 28.0627,

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

15.6120, 28.0627, 14.9497

Protanopia

25.5176, 27.7705, 12.6097

Deuteranopia

28.0405, 27.4693, 15.8808



Tritanopia

21.2993, 28.0404, 42.3199

Trichromacy



Original Color

15.6120, 28.0627, 14.9497



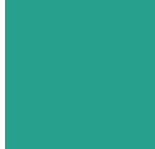
Protanomaly

18.2452, 25.8704, 13.2644



Deuteranomaly

19.0542, 25.2941, 15.1872



Tritanomaly

18.2900, 27.5259, 29.9402

Monochromacy



Original Color

15.6120, 28.0627, 14.9497



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

12.7527, 17.9450, 15.6236

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6120, 28.0627, 14.9497 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(0, 166, 93)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 93)  
}
```

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(0, 166, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 93) }
```

Border

The CSS property to change the border of an element to XYZ 15.6120, 28.0627, 14.9497 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(0, 166, 93) }
```


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

```
.border{ border-color:rgb(0, 166, 93) }
```

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

Here you see how a box with a 4 pixel rgb(0, 166, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 93);  
box-shadow:4px 4px 4px 4px rgb(0, 166, 93)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.6120, 28.0627, 14.9497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 93) }
```

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

```
.background{ background-color: rgb(0, 166,  
93) }
```

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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