

Converting Colors

XYZ(15.5685, 28.7203, 12.6396)

Have a look what the booklet for
XYZ(15.5685, 28.7203, 12.6396)
contains.

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Color

**XYZ(15.5256, 28.6145,
12.6875)**

Conversions

Conversions Part 1

Format	Color
Hex	00A852
RGB	0, 168, 82
RGB Percent	0%, 66%, 32%
CMY	1.0000, 0.3412, 0.6784
CMYK	1.00, 0.00, 0.51, 0.34
HSL	149°, 100%, 33%
HSV	149°, 100%, 66%
XYZ	15.5256, 28.6145, 12.6875
YIQ	107.9640, -72.5220, -62.3620

Conversions

Conversions Part 2

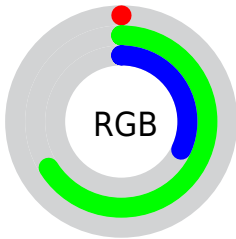
Format	Color
RYB	0, 113, 168
Decimal	43090
CIELab	60.44, -56.16, 34.11
CIELCh	60, 65.706, 148.730
Yxy	28.6145, 0.2732, 0.5035
Android (android.graphics.Color)	4278233170 (0xFF00A852)
YUV	107.9640, -12.8003, -94.6844
Hunter-Lab	53.4925, -41.8043, 23.3822

Details

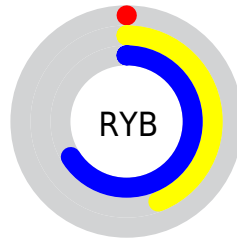
The XYZ color **15.5256, 28.6145, 12.6875** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **17.8290, 8.9971, 9.6016**, and the grayscale version is **14.2937, 15.0381, 16.3765**.

A 20% lighter version of the original color is **35.2037, 57.2289, 31.3812**, and **6.3060, 12.1501, 3.5262** is the 20% darker color. If you saturate the color by 10%, you get **15.5262, 28.6156, 12.6879**, and if you desaturate by 10%, it is **16.1021, 28.8723, 14.5321**.

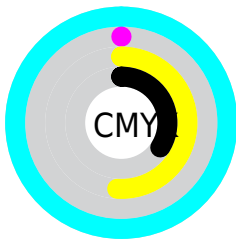
Distribution



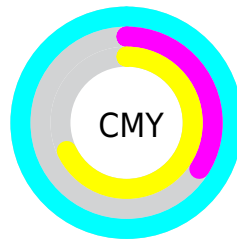
- Red (0%)
- Green (66%)
- Blue (32%)



- Red (0%)
- Yellow (44%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (51%)
- Black (34%)




- Cyan (100%)
- Magenta (34%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.5256, 28.6145, 12.6875 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 15.5256, 28.6145, 12.6875 by changing the saturation by 10% instead.


 15.5256, 28.6145,
12.6875


 15.5256, 28.6145,
12.6875


219.8517,
295.3917, 220.0421


 9.2778, 18.7894,
7.0855


 35.3368, 57.4640,
31.4241


 4.9814, 11.5182,
3.4364


 49.6309, 77.2573,
45.3959


 2.2710, 6.4165,
1.3215


 67.3378, 101.1420,
62.9946

 0.7798, 3.1000,
0.0793

 88.8228, 129.5026,
84.6388

 0.0000, 1.1841,
0.0000

 114.4514,
162.7234, 110.7472

 0.0000, 0.0487,
0.0000

 144.5888,

 0.0000, 0.0000,

201.1890, 141.7382

0.0000

179.6005,
245.2836, 178.0303

■ 15.5256, 28.6145,
12.6875

■ 15.5256, 28.6145,
12.6875

■ 15.5262, 28.6156,
12.6879

■ 16.1021, 28.8723,
14.5321

■ 16.9117, 29.2445,
16.6087

■ 18.0348, 29.7733,
18.9287

■ 19.5078, 30.4773,
21.5007

■ 21.3616, 31.3721,
24.3327

■ 23.6236, 32.4720,
27.4321

■ 26.3186, 33.7894,
30.8063

■ 29.4693, 35.3360,
34.4620

■ 33.0969, 37.1226,
38.4060

Harmonies

Analogous

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



20.1017, 28.6145, 5.5546



15.5256, 28.6145, 12.6875



13.9577, 28.6145, 30.1348

Triad

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



15.5256, 28.6145, 12.6875



26.8382, 28.6145, 104.8235



44.1059, 28.6145, 13.6959

Complementary

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



15.5256, 28.6145, 12.6875



17.8290, 8.9971, 9.6016

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.



46.9232, 28.6145, 32.2006



15.5256, 28.6145, 12.6875



35.7922, 28.6145, 92.4871

Square

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



15.5256, 28.6145, 12.6875



19.5954, 28.6145, 90.3701



43.6100, 28.6145, 62.1445



36.5476, 28.6145, 5.8882

Rectangle

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



15.5256, 28.6145, 12.6875



14.5147, 28.6145, 48.6432



43.6100, 28.6145, 62.1445



45.7002, 28.6145, 18.4605

Sweetspot

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



15.5263, 28.6157, 12.6882



47.4660, 61.1709, 55.5492



17.9153, 30.0232, 4.8509



9.8986, 13.1139, 11.5585



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.



15.5263, 28.6157, 12.6882



28.0657, 51.8821, 22.4557



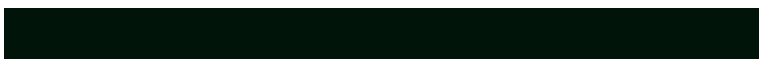
20.8133, 30.7304, 40.5289



7.5836, 8.4665, 8.7934



11.7501, 21.6188, 9.7168



0.3118, 0.5364, 0.3730

Inverse Universe

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



17.8290, 8.9971, 9.6016



32.2430, 16.2823, 16.8490



16.1645, 8.3314, 0.8366



7.6854, 7.6040, 8.6603



13.4891, 6.8044, 7.3873



0.3539, 0.1758, 0.3152

Previews

White Background



This preview shows how the XYZ color 15.5256, 28.6145, 12.6875 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 15.5256, 28.6145, 12.6875 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

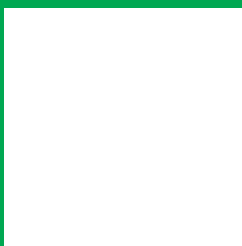
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.5256, 28.6145, 12.6875

Background



This preview shows how black text looks on a background with the XYZ color 15.5256, 28.6145, 12.6875.



This preview shows how white text looks on a background with the XYZ color 15.5256, 28.6145,

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

15.5256, 28.6145, 12.6875

Protanopia

25.8586, 28.2188, 10.5624

Deuteranopia

28.6131, 28.0291, 13.5749



Tritanopia

21.7575, 28.5178, 42.8858

Trichromacy



Original Color

15.5256, 28.6145, 12.6875



Protanomaly

18.2103, 26.1431, 11.1075



Deuteranomaly

19.0233, 25.5625, 12.9483



Tritanomaly

18.4950, 28.1762, 28.8899

Monochromacy



Original Color

15.5256, 28.6145, 12.6875



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

12.6890, 18.1313, 14.6353

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5256, 28.6145, 12.6875 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, 168, 82)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 82)  
}
```

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, 168, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 82) }
```

Border

The CSS property to change the border of an element to XYZ 15.5256, 28.6145, 12.6875 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, 168, 82) }
```


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

```
.border{ border-color:rgb(0, 168, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 168, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 82);  
box-shadow:4px 4px 4px 4px rgb(0, 168, 82)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.5256, 28.6145, 12.6875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 82) }
```

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

```
.background{ background-color: rgb(0, 168,  
82) }
```

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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