

Converting Colors

XYZ(16.8482, 30.7719, 14.6317)

Have a look what the booklet for
XYZ(16.8482, 30.7719, 14.6317)
contains.

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Color

**XYZ(16.7890, 30.6253,
14.6993)**

Conversions

Conversions Part 1

Format	Color
Hex	00AD5A
RGB	0, 173, 90
RGB Percent	0%, 68%, 35%
CMY	1.0000, 0.3216, 0.6470
CMYK	1.00, 0.00, 0.48, 0.32
HSL	151°, 100%, 34%
HSV	151°, 100%, 68%
XYZ	16.7890, 30.6253, 14.6993
YIQ	111.8110, -76.4650, -62.4890

Conversions

Conversions Part 2

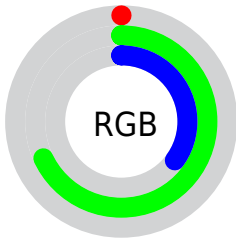
Format	Color
RYB	0, 114, 173
Decimal	44378
CIELab	62.19, -56.48, 32.21
CIELCh	62, 65.023, 150.305
Yxy	30.6253, 0.2703, 0.4931
Android (android.graphics.Color)	4278234458 (0xFF00AD5A)
YUV	111.8110, -10.7528, -98.0582
Hunter-Lab	55.3401, -42.6922, 22.9896

Details

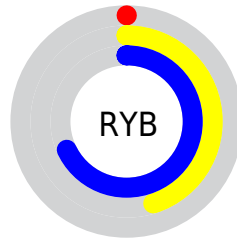
The XYZ color **16.7890, 30.6253, 14.6993** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **18.7958, 9.5093, 9.0296**, and the grayscale version is **15.3931, 16.1948, 17.6361**.

A 20% lighter version of the original color is **37.6187, 60.8439, 34.9606**, and **7.0147, 13.3608, 4.3997** is the 20% darker color. If you saturate the color by 10%, you get **16.7896, 30.6265, 14.6995**, and if you desaturate by 10%, it is **17.3997, 30.8979, 16.6772**.

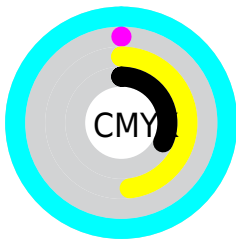
Distribution



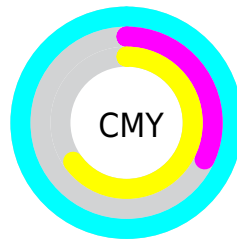
- Red (0%)
- Green (68%)
- Blue (35%)



- Red (0%)
- Yellow (45%)
- Blue (68%)



- Cyan (100%)
- Magenta (0%)
- Yellow (48%)
- Black (32%)





- Cyan (100%)
- Magenta (32%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.7890, 30.6253, 14.6993 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 16.7890, 30.6253, 14.6993 by changing the saturation by 10% instead.


 16.7890, 30.6253,
14.6993


 16.7890, 30.6253,
14.6993


227.1335,
304.8084, 233.1166


 10.1785, 20.3137,
8.4643


 37.5091, 60.6497,
35.0596


 5.5807, 12.6233,
4.3015


 52.3495, 81.1312,
50.0220


 2.6300, 7.1696,
1.7921


 70.6639, 105.7715,
68.7307

 0.9613, 3.5684,
0.4228

 92.8177, 134.9550,
91.6042

 0.0000, 1.4352,
0.0000

 119.1761,
169.0660, 119.0609

 0.0000, 0.2425,
0.0000

 150.1047,

 0.0000, 0.0000,

208.4890, 151.5196

0.0000

185.9687,
253.6083, 189.3986

■ 16.7890, 30.6253,
14.6993

■ 16.7890, 30.6253,
14.6993

■ 16.7896, 30.6265,
14.6995

■ 17.3997, 30.8979,
16.6772

■ 18.2570, 31.2919,
18.8784

■ 19.4444, 31.8514,
21.3136

■ 21.0009, 32.5962,
23.9906

■ 22.9597, 33.5432,
26.9166

■ 25.3498, 34.7075,
30.0984

■ 28.1979, 36.1024,
33.5426

■ 31.5280, 37.7404,
37.2554

■ 35.3626, 39.6329,
41.2428

Harmonies

Analogous

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



21.4079, 30.6253, 6.6274



16.7890, 30.6253, 14.6993



15.3022, 30.6253, 33.6029

Triad

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



16.7890, 30.6253, 14.6993



29.1981, 30.6253, 108.6094



46.2114, 30.6253, 14.4435

Complementary

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



16.7890, 30.6253, 14.6993



18.7958, 9.5093, 9.0296

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.



49.4154, 30.6253, 33.0899



16.7890, 30.6253, 14.6993



38.4642, 30.6253, 94.7582

Square

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



16.7890, 30.6253, 14.6993



21.5345, 30.6253, 95.2737



46.3334, 30.6253, 63.4149



38.2778, 30.6253, 6.5404

Rectangle

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



16.7890, 30.6253, 14.6993



15.9942, 30.6253, 53.0480



46.3334, 30.6253, 63.4149



47.9408, 30.6253, 19.2483

Sweetspot

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



16.7898, 30.6265, 14.7000



50.2092, 64.5130, 59.7340



18.5665, 31.7556, 5.1510



10.4423, 13.7900, 12.4257



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



16.7898, 30.6265, 14.7000



29.9588, 54.8048, 25.7483



21.9403, 31.8116, 44.5205



8.0719, 9.0063, 9.4038



12.3631, 22.5105, 10.9515



0.3714, 0.6372, 0.4493

Inverse Universe

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



18.7958, 9.5093, 9.0296



33.5534, 16.9868, 15.6036



17.2656, 8.9473, 0.8171



8.1593, 8.0770, 9.1495



13.8363, 6.9971, 6.7835



0.4127, 0.2058, 0.3349

Previews

White Background



This preview shows how the XYZ color 16.7890, 30.6253, 14.6993 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 16.7890, 30.6253, 14.6993 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 ✓ Pass

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

XYZ 16.7890, 30.6253, 14.6993

Background



This preview shows how black text looks on a background with the XYZ color 16.7890, 30.6253, 14.6993.



This preview shows how white text looks on a background with the XYZ color 16.7890, 30.6253,

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

16.7890, 30.6253, 14.6993

Protanopia

27.5803, 29.9966, 12.3189

Deuteranopia

30.5705, 30.0917, 15.5063



Tritanopia

23.2798, 30.5270, 46.2603

Trichromacy



Original Color

16.7890, 30.6253, 14.6993



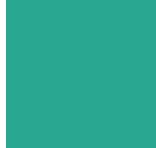
Protanomaly

19.5755, 28.0527, 12.9773



Deuteranomaly

20.5154, 27.4968, 14.8158



Tritanomaly

19.8844, 30.1740, 31.5642

Monochromacy



Original Color

16.7890, 30.6253, 14.6993



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

13.6223, 19.3893, 16.1212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7890, 30.6253, 14.6993 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, 173, 90)` looks like.

```
.text, #text, p{  
    color:rgb(0, 173, 90)  
}
```

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, 173, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 173, 90) }
```

Border

The CSS property to change the border of an element to XYZ 16.7890, 30.6253, 14.6993 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, 173, 90) }
```


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

```
.border{ border-color:rgb(0, 173, 90) }
```

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

Here you see how a box with a 4 pixel rgb(0, 173, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 173, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 173, 90);  
box-shadow:4px 4px 4px 4px rgb(0, 173, 90)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.7890, 30.6253, 14.6993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 173, 90) }
```

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

```
.background{ background-color: rgb(0, 173,  
90) }
```

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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