

Converting Colors

XYZ(11.8494, 27.4583, 17.3404)

Have a look what the booklet for
XYZ(11.8494, 27.4583, 17.3404)
contains.

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Color

**XYZ(16.9612, 30.0851,
17.4834)**

Conversions

Conversions Part 1

Format	Color
Hex	00AB66
RGB	0, 171, 102
RGB Percent	0%, 67%, 40%
CMY	0.9999, 0.3294, 0.6000
CMYK	1.00, 0.00, 0.40, 0.33
HSL	156°, 100%, 34%
HSV	156°, 100%, 67%
XYZ	16.9612, 30.0851, 17.4834
YIQ	112.0050, -79.7670, -57.7110

Conversions

Conversions Part 2

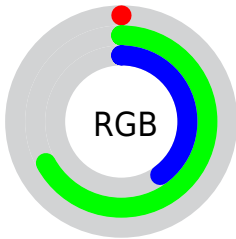
Format	Color
RYB	0, 107, 171
Decimal	43878
CIELab	61.73, -53.53, 25.31
CIELCh	62, 59.215, 154.698
Yxy	30.0851, 0.2628, 0.4662
Android (android.graphics.Color)	4278233958 (0xFF00AB66)
YUV	112.0050, -4.9325, -98.2284
Hunter-Lab	54.8499, -40.7898, 19.4962

Details

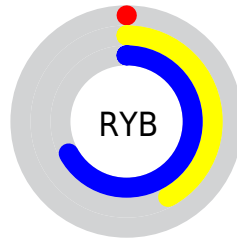
The XYZ color **16.9612, 30.0851, 17.4834** is a dark color, and the websafe version is hex **009966**, and the color name is **go green**. A complement of this color would be **17.8700, 9.0884, 6.4450**, and the grayscale version is **15.4349, 16.2388, 17.6840**.

A 20% lighter version of the original color is **37.7155, 59.5466, 40.0777**, and **7.0271, 12.9889, 5.6268** is the 20% darker color. If you saturate the color by 10%, you get **16.9615, 30.0861, 17.4826**, and if you desaturate by 10%, it is **17.5517, 30.3491, 19.3734**.

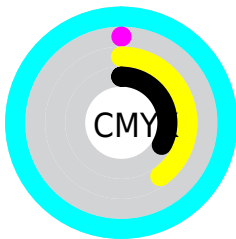
Distribution



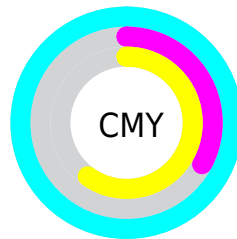
- Red (0%)
- Green (67%)
- Blue (40%)



- Red (0%)
- Yellow (42%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (40%)
- Black (33%)



- Cyan (100%)
- Magenta (33%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9612, 30.0851, 17.4834 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 16.9612, 30.0851, 17.4834 by changing the saturation by 10% instead.

■ 16.9612, 30.0851,
17.4834

■ 16.9612, 30.0851,
17.4834

228.1093,
302.3009, 250.0804

■ 10.3020, 19.9032,
10.4142

■ 37.8032, 59.7967,
39.9570

■ 5.6634, 12.3247,
5.5652

■ 52.7166, 80.0952,
56.1985

■ 2.6802, 6.9652,
2.5181

■ 71.1122, 104.5347,
76.3345

■ 0.9870, 3.4404,
0.8497

■ 93.3553, 133.4996,
100.7834

■ 0.0000, 1.3657,
0.0000

■ 119.8111,
167.3743, 129.9640

■ 0.0000, 0.1913,
0.0000

■ 150.8452,

■ 0.0000, 0.0000,

206.5431, 164.2946

0.0000

186.8228,
251.3905, 204.1939

■ 16.9612, 30.0851,
17.4834

■ 16.9612, 30.0851,
17.4834

■ 16.9615, 30.0861,
17.4826

■ 17.5517, 30.3491,
19.3734

■ 18.3712, 30.7270,
21.4257

■ 19.5012, 31.2615,
23.6481

■ 20.9791, 31.9719,
26.0456

■ 22.8366, 32.8743,
28.6230

■ 25.1017, 33.9832,
31.3845

■ 27.7996, 35.3116,
34.3343

■ 30.9534, 36.8711,
37.4765

■ 34.5846, 38.6729,
40.8148

Harmonies

Analogous

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



20.8033, 30.0851, 8.4559



16.9612, 30.0851, 17.4834



15.9895, 30.0851, 36.4445

Triad

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



16.9612, 30.0851, 17.4834



29.8549, 30.0851, 97.8895



42.9596, 30.0851, 13.7352

Complementary

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



16.9612, 30.0851, 17.4834



17.8700, 9.0884, 6.4450

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.



46.5240, 30.0851, 29.3281



16.9612, 30.0851, 17.4834



38.1235, 30.0851, 82.9975

Square

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



16.9612, 30.0851, 17.4834



22.5922, 30.0851, 89.7847



44.6093, 30.0851, 55.0409



35.5768, 30.0851, 7.0944

Rectangle

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



16.9612, 30.0851, 17.4834



16.9136, 30.0851, 54.4571



44.6093, 30.0851, 55.0409



44.7002, 30.0851, 17.7575

Sweetspot

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



16.9620, 30.0863, 17.4841



49.5052, 63.1005, 61.1956



17.1811, 30.4763, 4.9774



10.5812, 13.8456, 13.1570



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.



16.9620, 30.0863, 17.4841



30.2686, 53.8377, 30.7428



19.3665, 26.9712, 42.7147



8.0974, 9.0165, 9.5380



12.8126, 22.6903, 13.3187



0.3826, 0.6417, 0.5082

Inverse Universe

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



17.8700, 9.0884, 6.4450



31.9036, 16.2360, 11.0197



16.9559, 8.9795, 0.8399



8.1342, 8.0669, 9.0173



13.4952, 6.8606, 4.9874



0.4029, 0.2019, 0.2837

Previews

White Background



This preview shows how the XYZ color 16.9612, 30.0851, 17.4834 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 16.9612, 30.0851, 17.4834 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 16.9612, 30.0851, 17.4834

Background



This preview shows how black text looks on a background with the XYZ color 16.9612, 30.0851, 17.4834.



This preview shows how white text looks on a background with the XYZ color 16.9612, 30.0851,

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

16.9612, 30.0851, 17.4834

Protanopia

27.2636, 29.5472, 14.6222

Deuteranopia

30.1125, 29.5641, 18.5873



Tritanopia

22.6448, 29.9599, 45.1468

Trichromacy



Original Color

16.9612, 30.0851, 17.4834



Protanomaly

19.4793, 27.4462, 15.3373



Deuteranomaly

20.5483, 27.2026, 17.8033



Tritanomaly

19.6371, 29.4797, 32.6721

Monochromacy



Original Color

16.9612, 30.0851, 17.4834



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

13.6928, 19.1974, 17.1711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9612, 30.0851, 17.4834 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, 171, 102)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 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(0, 171, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 102) }
```

Border

The CSS property to change the border of an element to XYZ 16.9612, 30.0851, 17.4834 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, 171, 102) }
```


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

```
.border{ border-color:rgb(0, 171, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 171, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 102);  
box-shadow:4px 4px 4px 4px rgb(0, 171,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9612, 30.0851, 17.4834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 171, 102) }
```

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

```
.background{ background-color: rgb(0, 171,  
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](#).

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