

Converting Colors

XYZ(16.5252, 31.4093, 10.5675)

Have a look what the booklet for
XYZ(16.5252, 31.4093, 10.5675)
contains.

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Color

**XYZ(16.5385, 31.4559,
10.5101)**

Conversions

Conversions Part 1

Format	Color
Hex	00B043
RGB	0, 176, 67
RGB Percent	0%, 69%, 26%
CMY	1.0000, 0.3098, 0.7372
CMYK	1.00, 0.00, 0.62, 0.31
HSL	143°, 100%, 35%
HSV	143°, 100%, 69%
XYZ	16.5385, 31.4559, 10.5101
YIQ	110.9500, -69.9070, -71.2110

Conversions

Conversions Part 2

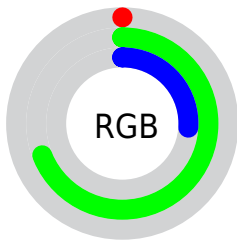
Format	Color
RYB	0, 127, 176
Decimal	45123
CIELab	62.89, -60.91, 44.27
CIELCh	63, 75.297, 143.985
Yxy	31.4559, 0.2827, 0.5377
Android (android.graphics.Color)	4278235203 (0xFF00B043)
YUV	110.9500, -21.6674, -97.3032
Hunter-Lab	56.0856, -45.5137, 28.1493

Details

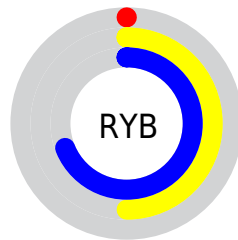
The XYZ color **16.5385, 31.4559, 10.5101** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **20.6662, 10.3350, 15.3765**, and the grayscale version is **15.1717, 15.9618, 17.3824**.

A 20% lighter version of the original color is **37.0848, 61.9894, 27.4633**, and **7.0199, 13.9432, 2.6379** is the 20% darker color. If you saturate the color by 10%, you get **16.5389, 31.4570, 10.5098**, and if you desaturate by 10%, it is **17.1399, 31.7254, 12.4099**.

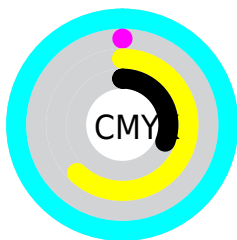
Distribution



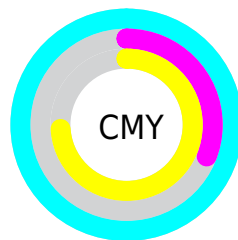
- Red (0%)
- Green (69%)
- Blue (26%)



- Red (0%)
- Yellow (50%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (62%)
- Black (31%)





- Cyan (100%)
- Magenta (31%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.5385, 31.4559, 10.5101 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 16.5385, 31.4559, 10.5101 by changing the saturation by 10% instead.


 16.5385, 31.4559,
10.5101


 16.5385, 31.4559,
10.5101


225.7071,
308.6332, 204.8903


 9.9993, 20.9463,
5.6285


 37.0805, 61.9571,
27.3733


 5.4607, 13.0847,
2.5554


 51.8140, 82.7175,
40.1919


 2.5576, 7.4869,
0.8693


 70.0096, 107.6636,
56.4933

 0.9244, 3.7684,
0.0000

 92.0327, 137.1797,
76.6960

 0.0000, 1.5449,
0.0000

 118.2487,
171.6504, 101.2185

 0.0000, 0.3200,
0.0000

 149.0228,

 0.0000, 0.0000,

211.4599, 130.4793

0.0000

184.7205,
256.9927, 164.8971

■ 16.5385, 31.4559,
10.5101

■ 16.5385, 31.4559,
10.5101

■ 16.5389, 31.4570,
10.5098

■ 17.1399, 31.7254,
12.4099

■ 18.0212, 32.1308,
14.6602

■ 19.2702, 32.7180,
17.2814

■ 20.9291, 33.5083,
20.2900

■ 23.0339, 34.5201,
23.7014

■ 25.6166, 35.7694,
27.5301

■ 28.7060, 37.2710,
31.7900

■ 32.3287, 39.0382,
36.4941

■ 36.5093, 41.0835,
41.6549

Harmonies

Analogous

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



22.5292, 31.4559, 4.1345



16.5385, 31.4559, 10.5101



14.1765, 31.4559, 28.6291

Triad

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



16.5385, 31.4559, 10.5101



27.8647, 31.4559, 127.6750



51.9627, 31.4559, 15.9408

Complementary

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



16.5385, 31.4559, 10.5101



20.6662, 10.3350, 15.3765

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.



54.3185, 31.4559, 40.5625



16.5385, 31.4559, 10.5101



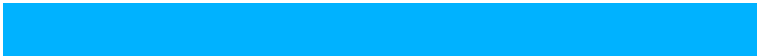
38.7201, 31.4559, 116.9353

Square

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



16.5385, 31.4559, 10.5101



19.6743, 31.4559, 103.9356



49.0121, 31.4559, 79.7631



43.1625, 31.4559, 5.7678

Rectangle

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



16.5385, 31.4559, 10.5101



14.4700, 31.4559, 49.9179



49.0121, 31.4559, 79.7631



53.6079, 31.4559, 22.2606

Sweetspot

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



16.5393, 31.4572, 10.5108



51.7398, 67.4383, 57.2241



22.1411, 34.4621, 5.4852



10.6935, 14.3623, 11.6961



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



16.5393, 31.4572, 10.5108



29.8929, 57.0098, 18.5227



21.2377, 33.3365, 35.2523



8.5184, 9.5418, 9.7234



12.1611, 23.0904, 7.8511



0.4116, 0.7381, 0.3995

Inverse Universe

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



20.6662, 10.3350, 15.3765



37.3658, 18.6976, 27.2857



18.0648, 9.2945, 1.6777



8.7102, 8.5908, 9.9721



15.1915, 7.5942, 11.4344



0.5053, 0.2499, 0.5037

Previews

White Background



This preview shows how the XYZ color 16.5385, 31.4559, 10.5101 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 16.5385, 31.4559, 10.5101 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 16.5385, 31.4559, 10.5101

Background



This preview shows how black text looks on a background with the XYZ color 16.5385, 31.4559, 10.5101.



This preview shows how white text looks on a background with the XYZ color 16.5385, 31.4559,

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

16.5385, 31.4559, 10.5101

Protanopia

28.0307, 30.7843, 8.7396

Deuteranopia

31.5625, 30.9214, 11.3261



Tritanopia

24.0168, 31.4267, 46.9196

Trichromacy



Original Color

16.5385, 31.4559, 10.5101



Protanomaly

19.5314, 28.6263, 9.1986



Deuteranomaly

20.5623, 28.1095, 10.6453



Tritanomaly

19.8576, 30.7688, 28.9371

Monochromacy



Original Color

16.5385, 31.4559, 10.5101



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

13.3281, 19.4938, 13.8867

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5385, 31.4559, 10.5101 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, 176, 67)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 67)  
}
```

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, 176, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 67) }
```

Border

The CSS property to change the border of an element to XYZ 16.5385, 31.4559, 10.5101 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, 176, 67) }
```


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

```
.border{ border-color:rgb(0, 176, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 176, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 67);  
box-shadow:4px 4px 4px 4px rgb(0, 176, 67)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.5385, 31.4559, 10.5101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 176, 67) }
```

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

```
.background{ background-color: rgb(0, 176,  
67) }
```

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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