

Converting Colors

XYZ(16.7584, 30.3003, 9.2760)

Have a look what the booklet for
XYZ(16.7584, 30.3003, 9.2760)
contains.

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Color

**XYZ(16.6451, 30.1050,
9.2085)**

Conversions

Conversions Part 1

Format	Color
Hex	31AB3C
RGB	49, 171, 60
RGB Percent	19%, 67%, 24%
CMY	0.8078, 0.3294, 0.7647
CMYK	0.71, 0.00, 0.65, 0.33
HSL	125°, 55%, 43%
HSV	125°, 71%, 67%
XYZ	16.6451, 30.1050, 9.2085
YIQ	121.8680, -37.0810, -60.3850

Conversions

Conversions Part 2

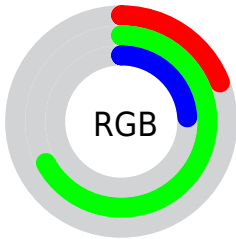
Format	Color
RYB	49, 161, 171
Decimal	3255100
CIELab	61.74, -55.37, 46.25
CIELCh	62, 72.146, 140.125
Yxy	30.1050, 0.2975, 0.5380
Android (android.graphics.Color)	4281445180 (0xFF31AB3C)
YUV	121.8680, -30.5009, -63.9052
Hunter-Lab	54.8680, -41.8682, 28.4570

Details

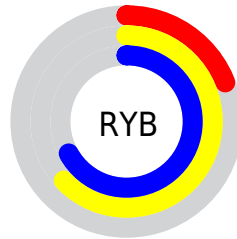
The XYZ color **16.6451, 30.1050, 9.2085** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **24.2387, 13.3930, 34.5652**, and the grayscale version is **18.5612, 19.5278, 21.2658**.

A 20% lighter version of the original color is **37.2038, 59.6187, 24.8760**, and **6.3613, 12.7226, 2.1204** is the 20% darker color. If you saturate the color by 10%, you get **15.6191, 29.6177, 7.3206**, and if you desaturate by 10%, it is **18.1063, 30.8045, 11.7493**.

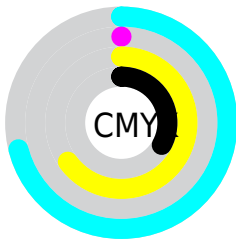
Distribution



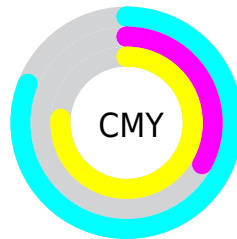
- Red (19%)
- Green (67%)
- Blue (24%)



- Red (19%)
- Yellow (63%)
- Blue (67%)



- Cyan (71%)
- Magenta (0%)
- Yellow (65%)
- Black (33%)



- Cyan (81%)
- Magenta (33%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6451, 30.1050, 9.2085 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 16.6451, 30.1050, 9.2085 by changing the saturation by 10% instead.

■ 16.6451, 30.1050,
9.2085

■ 16.6451, 30.1050,
9.2085

226.3151,
302.3936, 195.2007

■ 10.0755, 19.9183,
4.7788

■ 37.2630, 59.8282,
24.8798

■ 5.5117, 12.3357,
2.0616

■ 52.0421, 80.1335,
36.9585

■ 2.5883, 6.9727,
0.5928

■ 70.2884, 104.5804,
52.4239

■ 0.9400, 3.4450,
0.0000

■ 92.3672, 133.5534,
71.6946

■ 0.0000, 1.3683,
0.0000

■ 118.6439,
167.4368, 95.1891

■ 0.0000, 0.1932,
0.0000

149.4839,

■ 0.0000, 0.0000,

206.6150, 123.3259

0.0000

185.2525,
251.4725, 156.5236

■ 16.6451, 30.1050,
9.2085

■ 16.6451, 30.1050,
9.2085

■ 15.6191, 29.6177,
7.3206

■ 18.1063, 30.8045,
11.7493

■ 14.9776, 29.3150,
6.0241

■ 20.0420, 31.7325,
14.9932

■ 14.6528, 29.1627,
5.3246

■ 22.4893, 32.9083,
18.9877

■ 25.4811, 34.3478,
23.7757

■ 29.0477, 36.0657,
29.3969

■ 33.2169, 38.0756,
35.8881

■ 38.0148, 40.3903,
43.2842

■ 43.4661, 43.0217,
51.6180

■ 49.5940, 45.9812,
60.9208

Harmonies

Analogous

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



22.7146, 30.1050, 3.9669



16.6451, 30.1050, 9.2085



13.9955, 30.1050, 24.5141

Triad

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



16.6451, 30.1050, 9.2085



25.5600, 30.1050, 117.4600



49.7107, 30.1050, 17.7326

Complementary

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



16.6451, 30.1050, 9.2085



24.2387, 13.3930, 34.5652

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.



50.9559, 30.1050, 42.7201



16.6451, 30.1050, 9.2085



35.4553, 30.1050, 111.8217

Square

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



16.6451, 30.1050, 9.2085



18.3256, 30.1050, 92.4871



45.2695, 30.1050, 79.7684



42.1730, 30.1050, 6.6279

Rectangle

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



16.6451, 30.1050, 9.2085



14.0042, 30.1050, 42.9919



45.2695, 30.1050, 79.7684



50.9353, 30.1050, 24.3273

Sweetspot

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



16.6458, 30.1062, 9.2092



52.0030, 64.5806, 52.6183



29.7828, 36.9088, 8.4601



11.1931, 14.2072, 11.1007



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.



16.6458, 30.1062, 9.2092



27.1873, 52.6707, 11.5587



19.2305, 31.1401, 22.8201



7.9327, 8.9507, 8.6708



11.0547, 21.9871, 4.0616



0.3167, 0.6153, 0.1615

Inverse Universe

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



24.2387, 13.3930, 34.5652



41.5462, 20.8795, 59.3723



20.1858, 11.7718, 13.2229



8.3055, 8.1354, 9.9194



17.1675, 8.3295, 24.3252



0.4865, 0.2353, 0.7234

Previews

White Background



This preview shows how the XYZ color 16.6451, 30.1050, 9.2085 looks on a white background.

Color Contrast Check

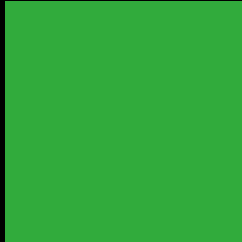
Large Text (above 18pt) WCAG AA × Fail

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 16.6451, 30.1050, 9.2085 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 16.6451, 30.1050, 9.2085

Background



This preview shows how black text looks on a background with the XYZ color 16.6451, 30.1050, 9.2085.



This preview shows how white text looks on a background with the XYZ color 16.6451, 30.1050,

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

16.6451, 30.1050, 9.2085

Protanopia

26.7728, 29.4455, 7.7625

Deuteranopia

30.1275, 29.5467, 9.7454



Tritanopia

23.5933, 29.9526, 44.0731

Trichromacy



Original Color

16.6451, 30.1050, 9.2085



Protanomaly

20.7707, 28.2734, 8.1040



Deuteranomaly

22.0431, 27.9182, 9.3812



Tritanomaly

19.9661, 29.5190, 26.4752

Monochromacy



Original Color

16.6451, 30.1050, 9.2085



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

16.3495, 22.0899, 15.2064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6451, 30.1050, 9.2085 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(49, 171, 60)` looks like.

```
.text, #text, p{  
    color:rgb(49, 171, 60)  
}
```

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(49, 171, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 171, 60) }
```

Border

The CSS property to change the border of an element to XYZ 16.6451, 30.1050, 9.2085 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(49, 171, 60) }
```


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

```
.border{ border-color:rgb(49, 171, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 171, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 171, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 171, 60);  
box-shadow:4px 4px 4px 4px rgb(49, 171,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6451, 30.1050, 9.2085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 171, 60) }
```

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

```
.background{ background-color: rgb(49, 171,  
60) }
```

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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