

Converting Colors

XYZ(16.1230, 30.5617, 7.2486)

Have a look what the booklet for
XYZ(16.1230, 30.5617, 7.2486)
contains.

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Color

**XYZ(16.0546, 30.4116,
7.2144)**

Conversions

Conversions Part 1

Format	Color
Hex	23AD2A
RGB	35, 173, 42
RGB Percent	14%, 68%, 16%
CMY	0.8627, 0.3216, 0.8353
CMYK	0.80, 0.00, 0.76, 0.32
HSL	123°, 66%, 41%
HSV	123°, 80%, 68%
XYZ	16.0546, 30.4116, 7.2144
YIQ	116.8040, -40.1970, -69.9970

Conversions

Conversions Part 2

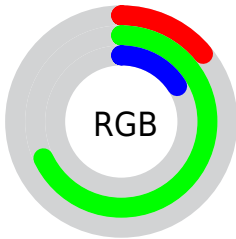
Format	Color
RYB	35, 166, 173
Decimal	2338090
CIELab	62.01, -59.85, 53.57
CIElCh	62, 80.320, 138.171
Yxy	30.4116, 0.2991, 0.5665
Android (android.graphics.Color)	4280528170 (0xFF23AD2A)
YUV	116.8040, -36.8784, -71.7421
Hunter-Lab	55.1467, -44.5409, 30.8463

Details

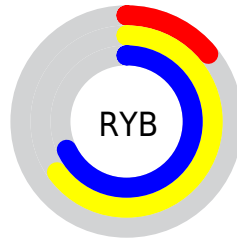
The XYZ color **16.0546, 30.4116, 7.2144** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **24.7180, 12.8397, 37.2506**, and the grayscale version is **16.9679, 17.8516, 19.4404**.

A 20% lighter version of the original color is **36.3983, 60.5209, 21.0726**, and **6.5968, 13.1937, 2.1989** is the 20% darker color. If you saturate the color by 10%, you get **15.3699, 30.0868, 5.9503**, and if you desaturate by 10%, it is **17.1505, 30.9362, 9.1276**.

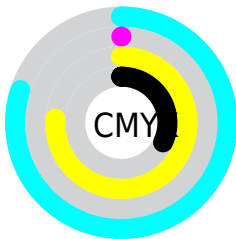
Distribution



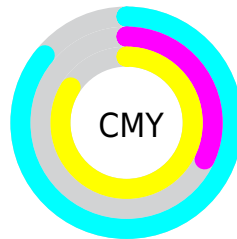
- Red (14%)
- Green (68%)
- Blue (16%)



- Red (14%)
- Yellow (65%)
- Blue (68%)



- Cyan (80%)
- Magenta (0%)
- Yellow (76%)
- Black (32%)





- Cyan (86%)
- Magenta (32%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.0546, 30.4116, 7.2144 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 16.0546, 30.4116, 7.2144 by changing the saturation by 10% instead.


 16.0546, 30.4116,
7.2144


 16.0546, 30.4116,
7.2144


222.9277,
303.8183, 179.1315


 9.6539, 20.1512,
3.5161


 36.2496, 60.3125,
20.9234


 5.2306, 12.5050,
1.3638


 50.7747, 80.7218,
31.7712

 2.4193, 7.0886,
0.1132


 68.7386, 105.2828,
45.8392

 0.8548, 3.5176,
0.0000

 90.5066, 134.3801,
63.5459

 0.0000, 1.4075,
0.0000

 116.4442,
168.3978, 85.3100

 0.0000, 0.2223,
0.0000

 146.9167,

 0.0000, 0.0000,

207.7205, 111.5499

0.0000

182.2894,
252.7326, 142.6842

■ 16.0546, 30.4116,
7.2144

■ 16.0546, 30.4116,
7.2144

■ 15.3699, 30.0868,
5.9503

■ 17.1505, 30.9362,
9.1276

■ 14.9994, 29.9110,
5.2459

■ 18.7061, 31.6816,
11.7589

■ 14.9923, 29.9076,
5.2348

■ 20.7655, 32.6698,
15.1706

■ 23.3670, 33.9196,
19.4177

■ 26.5452, 35.4478,
24.5503

■ 30.3319, 37.2696,
30.6145

■ 34.7566, 39.3994,
37.6534

■ 39.8467, 41.8505,
45.7071

■ 45.6282, 44.6353,
54.8136

Harmonies

Analogous

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



22.9147, 30.4116, 2.6806



16.0546, 30.4116, 7.2144



13.0016, 30.4116, 22.3801

Triad

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



16.0546, 30.4116, 7.2144



24.8636, 30.4116, 131.7295



53.3916, 30.4116, 17.8441

Complementary

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



16.0546, 30.4116, 7.2144



24.7180, 12.8397, 37.2506

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.



54.2895, 30.4116, 46.8235



16.0546, 30.4116, 7.2144



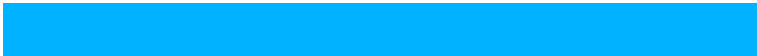
35.8584, 30.4116, 127.5105

Square

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



16.0546, 30.4116, 7.2144



17.1746, 30.4116, 99.9065



47.2508, 30.4116, 90.5262



45.0376, 30.4116, 5.6611

Rectangle

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



16.0546, 30.4116, 7.2144



12.8673, 30.4116, 42.2807



47.2508, 30.4116, 90.5262



54.6397, 30.4116, 25.3768

Sweetspot

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



16.0553, 30.4129, 7.2151



51.0285, 65.1613, 49.5643



30.9950, 38.1278, 7.3159



10.5931, 13.9221, 9.9753



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.



16.0553, 30.4129, 7.2151



27.0011, 53.6347, 9.5872



18.5011, 31.3912, 20.0945



7.9204, 8.9457, 8.6057



11.0201, 21.9733, 3.8798



0.3118, 0.6134, 0.1354

Inverse Universe

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



24.7180, 12.8397, 37.2506



43.0313, 20.9338, 65.0326



19.9977, 10.9516, 12.3939



8.3193, 8.1410, 9.9920



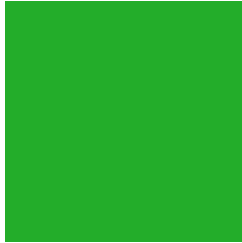
17.6044, 8.5043, 26.6258



0.4950, 0.2387, 0.7682

Previews

White Background



This preview shows how the XYZ color 16.0546, 30.4116, 7.2144 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 16.0546, 30.4116, 7.2144 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 16.0546, 30.4116, 7.2144

Background



This preview shows how black text looks on a background with the XYZ color 16.0546, 30.4116, 7.2144.



This preview shows how white text looks on a background with the XYZ color 16.0546, 30.4116,

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

16.0546, 30.4116, 7.2144

Protanopia

27.0022, 29.8378, 6.0052

Deuteranopia

30.2220, 29.6399, 7.7426



Tritanopia

23.5267, 30.1654, 44.6269

Trichromacy



Original Color

16.0546, 30.4116, 7.2144



Protanomaly

20.1845, 28.5156, 6.2740



Deuteranomaly

21.1729, 27.7586, 7.2596



Tritanomaly

19.2076, 29.4408, 24.4090

Monochromacy



Original Color

16.0546, 30.4116, 7.2144



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

14.7216, 20.6557, 12.8839

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0546, 30.4116, 7.2144 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(35, 173, 42)` looks like.

```
.text, #text, p{  
    color:rgb(35, 173, 42)  
}
```

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(35, 173, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 173, 42) }
```

Border

The CSS property to change the border of an element to XYZ 16.0546, 30.4116, 7.2144 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(35, 173, 42) }
```


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

```
.border{ border-color:rgb(35, 173, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 173, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 173, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 173, 42);  
box-shadow:4px 4px 4px 4px rgb(35, 173,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0546, 30.4116, 7.2144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 173, 42) }
```

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

```
.background{ background-color: rgb(35, 173,  
42) }
```

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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