

Converting Colors

XYZ(16.8477, 29.8804, 7.4333)

Have a look what the booklet for
XYZ(16.8477, 29.8804, 7.4333)
contains.

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Color

**XYZ(16.9178, 30.0035,
7.4844)**

Conversions

Conversions Part 1

Format	Color
Hex	3FAA2E
RGB	63, 170, 46
RGB Percent	25%, 67%, 18%
CMY	0.7529, 0.3333, 0.8196
CMYK	0.63, 0.00, 0.73, 0.33
HSL	112°, 57%, 42%
HSV	112°, 73%, 67%
XYZ	16.9178, 30.0035, 7.4844
YIQ	123.8710, -23.9680, -61.2480

Conversions

Conversions Part 2

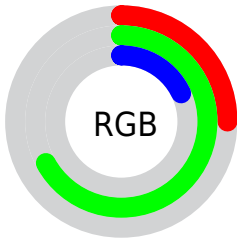
Format	Color
RYB	46, 170, 153
Decimal	4172334
CIELab	61.66, -53.47, 51.96
CIELCh	62, 74.562, 135.819
Yxy	30.0035, 0.3110, 0.5515
Android (android.graphics.Color)	4282362414 (0xFF3FAA2E)
YUV	123.8710, -38.3904, -53.3839
Hunter-Lab	54.7755, -40.7260, 30.2416

Details

The XYZ color **16.9178, 30.0035, 7.4844** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **21.3715, 11.6298, 39.1502**, and the grayscale version is **19.2455, 20.2478, 22.0498**.

A 20% lighter version of the original color is **37.6650, 59.5238, 21.5607**, and **6.3613, 12.7226, 2.1204** is the 20% darker color. If you saturate the color by 10%, you get **15.8317, 29.4759, 6.0177**, and if you desaturate by 10%, it is **18.3877, 30.7155, 9.6629**.

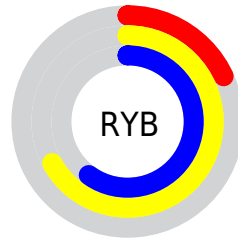
Distribution



Red (25%)

Green (67%)

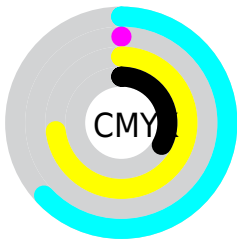
Blue (18%)



Red (18%)

Yellow (67%)

Blue (60%)

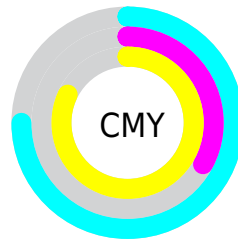


Cyan (63%)

Magenta (0%)

Yellow (73%)

Black (33%)



Cyan (75%)

Magenta (33%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9178, 30.0035, 7.4844 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 16.9178, 30.0035, 7.4844 by changing the saturation by 10% instead.

■ 16.9178, 30.0035,
7.4844

■ 16.9178, 30.0035,
7.4844

227.8637,
301.9208, 181.4110

■ 10.2708, 19.8412,
3.6838

■ 37.7291, 59.6677,
21.4705

■ 5.6425, 12.2797,
1.4536

■ 52.6242, 79.9385,
32.4931

■ 2.6675, 6.9345,
0.1830

■ 70.9993, 104.3475,
46.7602

■ 0.9805, 3.4211,
0.0000

■ 93.2199, 133.2792,
64.6902

■ 0.0000, 1.3554,
0.0000

■ 119.6513,
167.1180, 86.7018

■ 0.0000, 0.1835,
0.0000

■ 150.6588,

■ 0.0000, 0.0000,

206.2483, 113.2134

0.0000

186.6078,
251.0544, 144.6436

■ 16.9178, 30.0035,
7.4844

■ 16.9178, 30.0035,
7.4844

■ 15.8317, 29.4759,
6.0177

■ 18.3877, 30.7155,
9.6629

■ 15.0903, 29.1116,
5.1717

■ 20.2713, 31.6229,
12.6259

■ 14.7356, 28.9364,
4.8086

■ 22.5980, 32.7404,
16.4392

■ 25.3939, 34.0801,
21.1611

■ 28.6831, 35.6533,
26.8451

■ 32.4877, 37.4704,
33.5400

■ 36.8289, 39.5413,
41.2919

■ 41.7264, 41.8752,
50.1435

■ 47.1991, 44.4810,
60.1356

Harmonies

Analogous

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



23.6316, 30.0035, 3.2679



16.9178, 30.0035, 7.4844



13.7441, 30.0035, 21.0390

Triad

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



16.9178, 30.0035, 7.4844



24.0988, 30.0035, 119.2942



51.0630, 30.0035, 19.9352

Complementary

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



16.9178, 30.0035, 7.4844



21.3715, 11.6298, 39.1502

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.



51.2712, 30.0035, 47.9469



16.9178, 30.0035, 7.4844



34.0341, 30.0035, 118.3394

Square

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



16.9178, 30.0035, 7.4844



17.1912, 30.0035, 89.5205



44.4834, 30.0035, 87.3779



43.9674, 30.0035, 7.0790

Rectangle

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



16.9178, 30.0035, 7.4844



13.4496, 30.0035, 38.5203



44.4834, 30.0035, 87.3779



51.9880, 30.0035, 27.4420

Sweetspot

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



16.9185, 30.0048, 7.4851



52.3886, 64.8529, 49.3137



28.2032, 31.0070, 7.0838



11.3116, 14.2850, 10.3504



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.



16.9185, 30.0048, 7.4851



27.7632, 53.0075, 9.7823



17.3225, 30.0597, 14.4296



7.5289, 8.4552, 8.0245



10.8683, 21.3000, 3.5385



0.2923, 0.5326, 0.0874

Inverse Universe

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



21.3715, 11.6298, 39.1502



36.0774, 17.6468, 70.5066



21.3605, 12.0228, 21.1384



7.7393, 7.6137, 9.4800



14.1837, 6.6954, 28.5203



0.3720, 0.1768, 0.6952

Previews

White Background



This preview shows how the XYZ color 16.9178, 30.0035, 7.4844 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9178, 30.0035, 7.4844 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 16.9178, 30.0035, 7.4844

Background



This preview shows how black text looks on a background with the XYZ color 16.9178, 30.0035, 7.4844.



This preview shows how white text looks on a background with the XYZ color 16.9178, 30.0035,

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

16.9178, 30.0035, 7.4844

Protanopia

26.6988, 29.4400, 6.2828

Deuteranopia

30.0306, 29.5355, 7.9890



Tritanopia

24.0632, 29.9607, 43.0428

Trichromacy



Original Color

16.9178, 30.0035, 7.4844



Protanomaly

21.3596, 28.6112, 6.5872



Deuteranomaly

22.6861, 28.2890, 7.6328



Tritanomaly

20.2564, 29.4501, 24.3555

Monochromacy



Original Color

16.9178, 30.0035, 7.4844



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

17.1157, 22.7191, 14.5495

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9178, 30.0035, 7.4844 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(63, 170, 46)` looks like.

```
.text, #text, p{  
    color:rgb(63, 170, 46)  
}
```

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(63, 170, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 170, 46) }
```

Border

The CSS property to change the border of an element to XYZ 16.9178, 30.0035, 7.4844 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(63, 170, 46) }
```


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

```
.border{ border-color:rgb(63, 170, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 170, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 170, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 170, 46);  
box-shadow:4px 4px 4px 4px rgb(63, 170,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9178, 30.0035, 7.4844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 170, 46) }
```

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

```
.background{ background-color: rgb(63, 170,  
46) }
```

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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