

Converting Colors

XYZ(16.8047, 30.2351, 5.1956)

Have a look what the booklet for
XYZ(16.8047, 30.2351, 5.1956)
contains.

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Color

**XYZ(16.8590, 30.3038,
5.2191)**

Conversions

Conversions Part 1

Format	Color
Hex	42AB09
RGB	66, 171, 9
RGB Percent	26%, 67%, 4%
CMY	0.7412, 0.3294, 0.9646
CMYK	0.61, 0.00, 0.95, 0.33
HSL	99°, 90%, 35%
HSV	99°, 95%, 67%
XYZ	16.8590, 30.3038, 5.2191
YIQ	121.1370, -10.5780, -72.6420

Conversions

Conversions Part 2

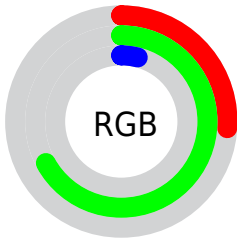
Format	Color
R_{YB}	9, 171, 114
Decimal	4369161
CIE _{Lab}	61.92, -54.91, 61.69
CIE _{LCh}	62, 82.585, 131.674
Yxy	30.3038, 0.3218, 0.5785
Android (android.graphics.Color)	4282559241 (0xFF42AB09)
YUV	121.1370, -55.2835, -48.3551
Hunter-Lab	55.0489, -41.6690, 32.9130

Details

The XYZ color **16.8590, 30.3038, 5.2191** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **14.3908, 6.7148, 39.0673**, and the grayscale version is **18.3954, 19.3534, 21.0758**.

A 20% lighter version of the original color is **37.5610, 59.9860, 16.6200**, and **6.3613, 12.7226, 2.1204** is the 20% darker color. If you saturate the color by 10%, you get **16.4364, 30.0926, 4.9422**, and if you desaturate by 10%, it is **17.8187, 30.7835, 5.9868**.

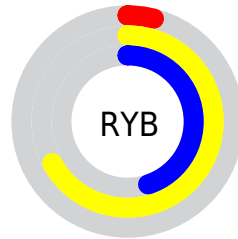
Distribution



Red (26%)

Green (67%)

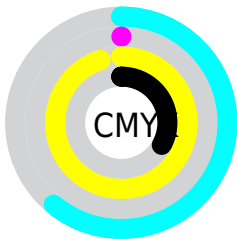
Blue (4%)



Red (4%)

Yellow (67%)

Blue (45%)

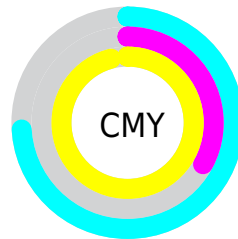


Cyan (61%)

Magenta (0%)

Yellow (95%)

Black (33%)



Cyan (74%)

Magenta (33%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8590, 30.3038, 5.2191 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 16.8590, 30.3038, 5.2191 by changing the saturation by 10% instead.

■ 16.8590, 30.3038,
5.2191

■ 16.8590, 30.3038,
5.2191

227.5306,
303.3180, 160.9405

■ 10.2287, 20.0693,
2.3154

■ 37.6287, 60.1423,
16.7359

■ 5.6143, 12.4454,
0.7398

■ 52.4988, 80.5151,
26.1861

■ 2.6504, 7.0478,
0.0000

■ 70.8463, 105.0360,
38.6556

■ 0.9717, 3.4920,
0.0000

■ 93.0364, 134.0896,
54.5628

■ 0.0000, 1.3937,
0.0000

■ 119.4345,
168.0602, 74.3264

■ 0.0000, 0.2121,
0.0000

■ 150.4060,

■ 0.0000, 0.0000,

207.3322, 98.3648

0.0000

186.3163,
252.2900, 127.0967

16.8590, 30.3038,
5.2191

16.8590, 30.3038,
5.2191

16.4364, 30.0926,
4.9422

17.8187, 30.7835,
5.9868

19.0441, 31.3861,
7.3608

20.5610, 32.1237,
9.4358

22.3906, 33.0056,
12.2893

24.5519, 34.0402,
15.9883

■ 27.0624, 35.2351,
20.5927

■ 29.9380, 36.5973,
26.1569

■ 33.1936, 38.1335,
32.7312

■ 36.8434, 39.8499,
40.3622

Harmonies

Analogous

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



24.7137, 30.3038, 2.0795



16.8590, 30.3038, 5.2191



12.9743, 30.3038, 17.3223

Triad

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



16.8590, 30.3038, 5.2191



22.6252, 30.3038, 131.0330



55.0250, 30.3038, 22.1503

Complementary

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



16.8590, 30.3038, 5.2191



14.3908, 6.7148, 39.0673

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.



54.0484, 30.3038, 56.0658



16.8590, 30.3038, 5.2191



33.3199, 30.3038, 135.6692

Square

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



16.8590, 30.3038, 5.2191



15.6684, 30.3038, 92.2489



45.3666, 30.3038, 102.5159



47.7676, 30.3038, 6.8197

Rectangle

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



16.8590, 30.3038, 5.2191



12.3565, 30.3038, 34.8058



45.3666, 30.3038, 102.5159



55.6904, 30.3038, 31.2494

Sweetspot

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



16.8597, 30.3051, 5.2198



51.5965, 64.5861, 42.8819



22.5957, 20.1801, 2.9631



11.0287, 14.1767, 8.6428



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.



16.8597, 30.3051, 5.2198



29.2268, 53.7844, 8.8410



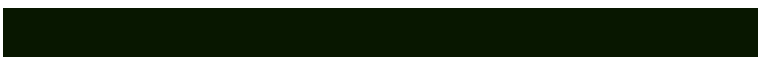
14.9187, 29.2822, 6.1356



8.1604, 9.0713, 8.5342



12.4426, 22.7115, 3.7280



0.4065, 0.6629, 0.1065

Inverse Universe

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



14.3908, 6.7148, 39.0673



24.6327, 11.1779, 69.8611



22.3504, 11.0369, 29.5559



8.0595, 8.0050, 10.0730



10.5272, 4.7868, 29.4136



0.3492, 0.1622, 0.8209

Previews

White Background



This preview shows how the XYZ color 16.8590, 30.3038, 5.2191 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 16.8590, 30.3038, 5.2191 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 16.8590, 30.3038, 5.2191

Background



This preview shows how black text looks on a background with the XYZ color 16.8590, 30.3038, 5.2191.



This preview shows how white text looks on a background with the XYZ color 16.8590, 30.3038,

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

16.8590, 30.3038, 5.2191

Protanopia

26.8959, 29.8197, 4.3382

Deuteranopia

30.3523, 29.7481, 5.8925



Tritanopia

24.5638, 30.2077, 43.5657

Trichromacy



Original Color

16.8590, 30.3038, 5.2191

Protanomaly

21.4335, 28.9458, 4.5436

Deuteranomaly

22.7538, 28.3752, 5.3146

Tritanomaly

19.7340, 29.2715, 20.2327

Monochromacy



Original Color

16.8590, 30.3038, 5.2191

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

16.0474, 21.8111, 10.9536

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8590, 30.3038, 5.2191 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(66, 171, 9)` looks like.

```
.text, #text, p{  
    color:rgb(66, 171, 9)  
}
```

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(66, 171, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 171, 9) }
```

Border

The CSS property to change the border of an element to XYZ 16.8590, 30.3038, 5.2191 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(66, 171, 9) }
```


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

```
.border{ border-color:rgb(66, 171, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 171, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 171, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 171, 9);  
box-shadow:4px 4px 4px 4px rgb(66, 171, 9)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.8590, 30.3038, 5.2191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 171, 9) }
```

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

```
.background{ background-color: rgb(66, 171,  
9) }
```

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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