

Converting Colors

XYZ(17.0253, 31.0504, 6.2300)

Have a look what the booklet for
XYZ(17.0253, 31.0504, 6.2300)
contains.

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Color

**XYZ(16.9690, 30.9057,
6.2334)**

Conversions

Conversions Part 1

Format	Color
Hex	3BAD1D
RGB	59, 173, 29
RGB Percent	23%, 68%, 11%
CMY	0.7686, 0.3216, 0.8862
CMYK	0.66, 0.00, 0.83, 0.32
HSL	108°, 71%, 40%
HSV	108°, 83%, 68%
XYZ	16.9690, 30.9057, 6.2334
YIQ	122.4980, -21.7200, -68.9520

Conversions

Conversions Part 2

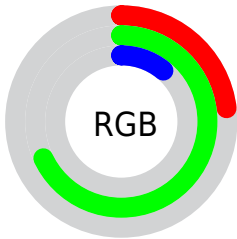
Format	Color
RYB	29, 173, 143
Decimal	3910941
CIELab	62.43, -56.51, 58.14
CIELCh	62, 81.077, 134.186
Yxy	30.9057, 0.3136, 0.5712
Android (android.graphics.Color)	4282101021 (0xFF3BAD1D)
YUV	122.4980, -46.0945, -55.6877
Hunter-Lab	55.5929, -42.8028, 32.2671

Details

The XYZ color **16.9690, 30.9057, 6.2334** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **19.3121, 9.7369, 40.3984**, and the grayscale version is **18.8142, 19.7940, 21.5557**.

A 20% lighter version of the original color is **37.6248, 60.7917, 18.7678**, and **6.5968, 13.1937, 2.1989** is the 20% darker color. If you saturate the color by 10%, you get **16.1044, 30.4791, 5.3727**, and if you desaturate by 10%, it is **18.1682, 31.4928, 7.7378**.

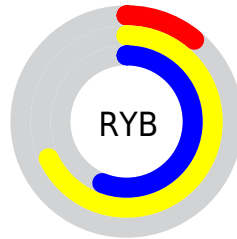
Distribution



Red (23%)

Green (68%)

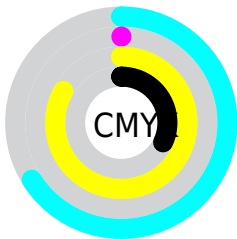
Blue (11%)



Red (11%)

Yellow (68%)

Blue (56%)

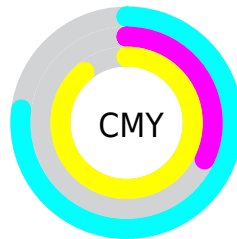


Cyan (66%)

Magenta (0%)

Yellow (83%)

Black (32%)



Cyan (77%)

Magenta (32%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9690, 30.9057, 6.2334 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 16.9690, 30.9057, 6.2334 by changing the saturation by 10% instead.

■ 16.9690, 30.9057,
6.2334

■ 16.9690, 30.9057,
6.2334

228.1534,
306.1036, 170.5143

■ 10.3076, 20.5271,
2.9164

■ 37.8165, 61.0916,
18.8994

■ 5.6672, 12.7787,
1.0521

■ 52.7332, 81.6676,
29.0856

■ 2.6825, 7.2764,
0.0000

■ 71.1325, 106.4115,
42.3985

■ 0.9882, 3.6355,
0.0000

■ 93.3796, 135.7078,
59.2568

■ 0.0000, 1.4718,
0.0000

■ 119.8398,
169.9407, 80.0790

■ 0.0000, 0.2688,
0.0000

■ 150.8787,

■ 0.0000, 0.0000,

209.4947, 105.2836

0.0000

186.8614,
254.7542, 135.2892

■ 16.9690, 30.9057,
6.2334

■ 16.9690, 30.9057,
6.2334

■ 16.1044, 30.4791,
5.3727

■ 18.1682, 31.4928,
7.7378

■ 15.6730, 30.2641,
5.0155

■ 19.7326, 32.2513,
9.9772

■ 21.6915, 33.1956,
13.0306

■ 24.0705, 34.3374,
16.9660

■ 26.8928, 35.6873,
21.8444

■ 30.1800, 37.2552,
27.7214

■ 33.9522, 39.0505,
34.6483

■ 38.2283, 41.0817,
42.6727

■ 43.0262, 43.3572,
51.8396

Harmonies

Analogous

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



24.4937, 30.9057, 2.4699



16.9690, 30.9057, 6.2334



13.3710, 30.9057, 19.7040

Triad

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



16.9690, 30.9057, 6.2334



23.9834, 30.9057, 131.9499



54.9999, 30.9057, 20.8898

Complementary

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



16.9690, 30.9057, 6.2334



19.3121, 9.7369, 40.3984

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.



54.7641, 30.9057, 52.9887



16.9690, 30.9057, 6.2334



34.8650, 30.9057, 133.0598

Square

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



16.9690, 30.9057, 6.2334



16.6762, 30.9057, 95.9276



46.7059, 30.9057, 98.3935



47.2868, 30.9057, 6.6370

Rectangle

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



16.9690, 30.9057, 6.2334



12.9358, 30.9057, 38.2656



46.7059, 30.9057, 98.3935



55.8982, 30.9057, 29.4232

Sweetspot

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



16.9697, 30.9070, 6.2341



52.6781, 66.0664, 47.1682



27.1001, 28.2611, 5.1895



11.0074, 14.1476, 9.4603



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.



16.9697, 30.9070, 6.2341



27.9237, 54.1248, 8.9754



16.5505, 30.5895, 10.7943



8.0546, 9.0167, 8.5292



11.5536, 22.2532, 3.6864



0.3652, 0.6417, 0.1046

Inverse Universe

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



19.3121, 9.7369, 40.3984



31.7909, 14.8283, 71.9923



21.8527, 11.4352, 22.9586



8.1713, 8.0626, 10.0783



13.1645, 6.1464, 29.5370



0.4068, 0.1919, 0.8236

Previews

White Background



This preview shows how the XYZ color 16.9690, 30.9057, 6.2334 looks on a white background.

Color Contrast Check

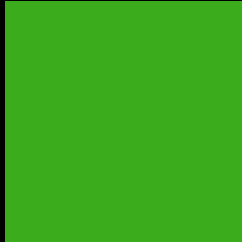
Large Text (above 18pt) WCAG AA × Fail

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 16.9690, 30.9057, 6.2334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

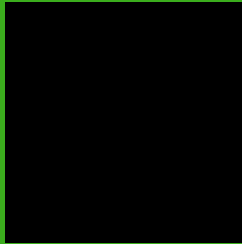
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.9690, 30.9057, 6.2334

Background



This preview shows how black text looks on a background with the XYZ color 16.9690, 30.9057, 6.2334.



This preview shows how white text looks on a background with the XYZ color 16.9690, 30.9057,

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

16.9690, 30.9057, 6.2334

Protanopia

27.4232, 30.3096, 5.2156

Deuteranopia

30.9052, 30.2346, 6.7918



Tritanopia

24.6013, 30.7194, 44.6772

Trichromacy



Original Color

16.9690, 30.9057, 6.2334



Protanomaly

21.4556, 29.1910, 5.4233



Deuteranomaly

22.7587, 28.5984, 6.3280



Tritanomaly

20.1308, 29.9530, 22.8097

Monochromacy



Original Color

16.9690, 30.9057, 6.2334



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

16.5836, 22.4803, 12.9163

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9690, 30.9057, 6.2334 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(59, 173, 29)` looks like.

```
.text, #text, p{  
    color:rgb(59, 173, 29)  
}
```

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(59, 173, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 173, 29) }
```

Border

The CSS property to change the border of an element to XYZ 16.9690, 30.9057, 6.2334 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(59, 173, 29) }
```


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

```
.border{ border-color:rgb(59, 173, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 173, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 173, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 173, 29);  
box-shadow:4px 4px 4px 4px rgb(59, 173,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9690, 30.9057, 6.2334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 173, 29) }
```

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

```
.background{ background-color: rgb(59, 173,  
29) }
```

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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