

Converting Colors

XYZ(17.3730, 30.6656, 5.0034)

Have a look what the booklet for
XYZ(17.3730, 30.6656, 5.0034)
contains.

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Color

**XYZ(17.3106, 30.5423,
4.9829)**

Conversions

Conversions Part 1

Format	Color
Hex	49AB00
RGB	73, 171, 0
RGB Percent	29%, 67%, 0%
CMY	0.7137, 0.3294, 0.9999
CMYK	0.57, 0.00, 1.00, 0.33
HSL	94°, 100%, 34%
HSV	94°, 100%, 67%
XYZ	17.3106, 30.5423, 4.9829
YIQ	122.2040, -3.5170, -73.9570

Conversions

Conversions Part 2

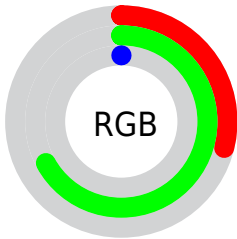
Format	Color
RYB	0, 171, 98
Decimal	4827904
CIELab	62.12, -53.30, 63.15
CIELCh	62, 82.639, 130.166
Yxy	30.5423, 0.3276, 0.5781
Android (android.graphics.Color)	4283017984 (0xFF49AB00)
YUV	122.2040, -60.2466, -43.1519
Hunter-Lab	55.2651, -40.8026, 33.3398

Details

The XYZ color **17.3106, 30.5423, 4.9829** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **12.3903, 5.5385, 38.9458**, and the grayscale version is **18.7586, 19.7355, 21.4919**.

A 20% lighter version of the original color is **38.3780, 60.4191, 16.1179**, and **6.4784, 12.9569, 2.1595** is the 20% darker color. If you saturate the color by 10%, you get **17.3105, 30.5432, 4.9831**, and if you desaturate by 10%, it is **18.2154, 30.9979, 5.5583**.

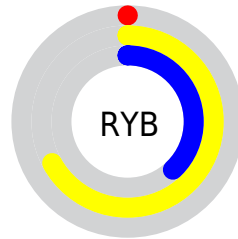
Distribution



Red (29%)

Green (67%)

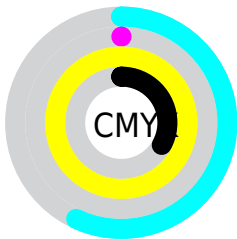
Blue (0%)



Red (0%)

Yellow (67%)

Blue (38%)

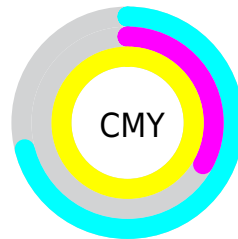


Cyan (57%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (71%)

Magenta (33%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.3106, 30.5423, 4.9829 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 17.3106, 30.5423, 4.9829 by changing the saturation by 10% instead.

■ 17.3106, 30.5423,
4.9829

■ 17.3106, 30.5423,
4.9829

230.0775,
304.4241, 158.5934

■ 10.5529, 20.2506,
2.1787

■ 38.3984, 60.5187,
16.2197

■ 5.8321, 12.5773,
0.6620

■ 53.4592, 80.9722,
25.4894

■ 2.7829, 7.1381,
0.0000

■ 72.0183, 105.5818,
37.7514

■ 1.0400, 3.5486,
0.0000

■ 94.4413, 134.7318,
53.4241

■ 0.0000, 1.4244,
0.0000

■ 121.0933,
168.8066, 72.9261

■ 0.0000, 0.2346,
0.0000


■ 152.3397,


■ 0.0000, 0.0000,


208.1907, 96.6759


0.0000


 188.5460,
253.2684, 125.0922


 17.3106, 30.5423,
4.9829


 17.3106, 30.5423,
4.9829


 17.3105, 30.5432,
4.9831

 18.2154, 30.9979,
5.5583

 19.3295, 31.5503,
6.6009

 20.6935, 32.2174,
8.2967

 22.3280, 33.0078,
10.7303

 24.2509, 33.9293,
13.9735

■ 26.4783, 34.9888,
18.0897

■ 29.0250, 36.1926,
23.1360

■ 31.9047, 37.5467,
29.1646

■ 35.1302, 39.0566,
36.2238

Harmonies

Analogous

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



25.4180, 30.5423, 2.0663



17.3106, 30.5423, 4.9829



13.2084, 30.5423, 16.5103

Triad

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



17.3106, 30.5423, 4.9829



22.3649, 30.5423, 130.4637



55.5588, 30.5423, 23.5787

Complementary

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



17.3106, 30.5423, 4.9829



12.3903, 5.5385, 38.9458

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.



54.1341, 30.5423, 58.6473



17.3106, 30.5423, 4.9829



32.9679, 30.5423, 137.2182

Square

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



17.3106, 30.5423, 4.9829



15.5682, 30.5423, 90.4242



45.1132, 30.5423, 105.3915



48.6173, 30.5423, 7.3369

Rectangle

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



17.3106, 30.5423, 4.9829



12.4725, 30.5423, 33.4336



45.1132, 30.5423, 105.3915



56.0775, 30.5423, 33.0778

Sweetspot

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



17.3113, 30.5436, 4.9836



51.7188, 64.6931, 40.9016



21.0617, 17.1909, 2.2086



11.1042, 14.2242, 8.2584



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.



17.3113, 30.5436, 4.9836



30.7691, 54.5795, 8.9132



14.6266, 29.1523, 5.1854



8.2165, 9.1002, 8.5368



13.1068, 23.0539, 3.7590



0.4280, 0.6740, 0.1075

Inverse Universe

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



12.3903, 5.5385, 38.9458



21.9403, 9.7899, 69.7351



23.1061, 11.1829, 34.0172



8.0018, 7.9752, 10.0703



9.4005, 4.2060, 29.3609



0.3224, 0.1484, 0.8196

Previews

White Background



This preview shows how the XYZ color 17.3106, 30.5423, 4.9829 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 17.3106, 30.5423, 4.9829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

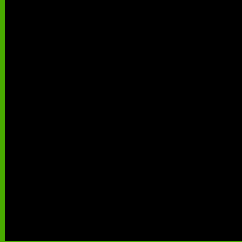
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 17.3106, 30.5423, 4.9829

Background



This preview shows how black text looks on a background with the XYZ color 17.3106, 30.5423, 4.9829.



This preview shows how white text looks on a background with the XYZ color 17.3106, 30.5423,

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

17.3106, 30.5423, 4.9829

Protanopia

27.0548, 30.1375, 4.3912

Deuteranopia

30.7305, 30.1647, 5.8718



Tritanopia

24.9901, 30.4275, 43.5857

Trichromacy



Original Color

17.3106, 30.5423, 4.9829

Protanomaly

21.8997, 29.4403, 4.5283

Deuteranomaly

23.3999, 28.9553, 5.1662

Tritanomaly

20.0740, 29.4722, 19.0987

Monochromacy



Original Color

17.3106, 30.5423, 4.9829

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

16.4621, 22.2493, 10.6346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3106, 30.5423, 4.9829 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(73, 171, 0)` looks like.

```
.text, #text, p{  
    color:rgb(73, 171, 0)  
}
```

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(73, 171, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 171, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.3106, 30.5423, 4.9829 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(73, 171, 0) }
```


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

```
.border{ border-color:rgb(73, 171, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 171, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 171, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 171, 0);  
box-shadow:4px 4px 4px 4px rgb(73, 171, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.3106, 30.5423, 4.9829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 171, 0) }
```

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

```
.background{ background-color: rgb(73, 171,  
0) }
```

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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