

Converting Colors

XYZ(16.4723, 29.8915, 1.3165)

Have a look what the booklet for
XYZ(16.4723, 29.8915, 1.3165)
contains.

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Color

**XYZ(17.1988, 30.2053,
4.9237)**

Conversions

Conversions Part 1

Format	Color
Hex	4AAA00
RGB	74, 170, 0
RGB Percent	29%, 67%, 0%
CMY	0.7098, 0.3333, 0.9999
CMYK	0.56, 0.00, 1.00, 0.33
HSL	94°, 100%, 33%
HSV	94°, 100%, 67%
XYZ	17.1988, 30.2053, 4.9237
YIQ	121.9160, -2.6460, -73.2220

Conversions

Conversions Part 2

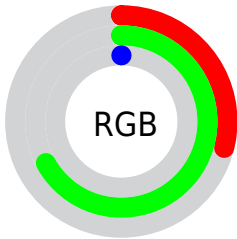
Format	Color
RYB	0, 170, 96
Decimal	4893184
CIELab	61.83, -52.67, 62.94
CIELCh	62, 82.070, 129.925
Yxy	30.2053, 0.3287, 0.5772
Android (android.graphics.Color)	4283083264 (0xFF4AAA00)
YUV	121.9160, -60.1046, -42.0223
Hunter-Lab	54.9593, -40.3196, 33.1599

Details

The XYZ color **17.1988, 30.2053, 4.9237** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **12.0819, 5.3905, 38.4355**, and the grayscale version is **18.6632, 19.6352, 21.3827**.

A 20% lighter version of the original color is **38.1053, 59.8737, 16.0270**, and **6.3613, 12.7226, 2.1204** is the 20% darker color. If you saturate the color by 10%, you get **17.1988, 30.2062, 4.9239**, and if you desaturate by 10%, it is **18.0972, 30.6577, 5.4946**.

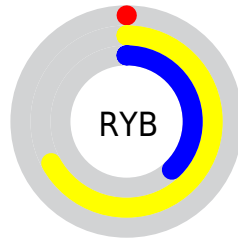
Distribution



Red (29%)

Green (67%)

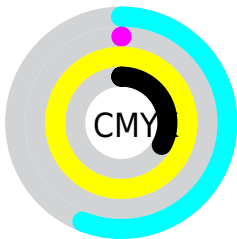
Blue (0%)



Red (0%)

Yellow (67%)

Blue (38%)

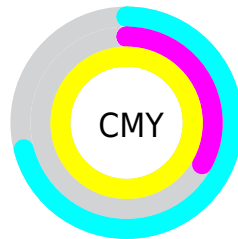


Cyan (56%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (71%)

Magenta (33%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.1988, 30.2053, 4.9237 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 17.1988, 30.2053, 4.9237 by changing the saturation by 10% instead.

■ 17.1988, 30.2053,
4.9237

■ 17.1988, 30.2053,
4.9237

229.4494,
302.8602, 157.9972

■ 10.4725, 19.9945,
2.1446

■ 38.2082, 59.9867,
16.0895

■ 5.7780, 12.3910,
0.6421

■ 53.2219, 80.3261,
25.3134

■ 2.7499, 7.0106,
0.0000

■ 71.7289, 104.8104,
37.5225

■ 1.0229, 3.4687,
0.0000

■ 94.0945, 133.8240,
53.1356

■ 0.0000, 1.3811,
0.0000

■ 120.6839,
167.7515, 72.5710


■ 0.0000, 0.2027,
0.0000


■ 151.8627,


■ 0.0000, 0.0000,


206.9771, 96.2474


0.0000


 187.9960,
251.8852, 124.5833


 17.1988, 30.2053,
4.9237


 17.1988, 30.2053,
4.9237


 17.1988, 30.2062,
4.9239

 18.0972, 30.6577,
5.4946

 19.1990, 31.2040,
6.5256

 20.5443, 31.8618,
8.2009

 22.1529, 32.6396,
10.6039

 24.0426, 33.5448,
13.8053

■ 26.2288, 34.5842,
17.8677

■ 28.7261, 35.7640,
22.8472

■ 31.5476, 37.0898,
28.7953

■ 34.7060, 38.5671,
35.7596

Harmonies

Analogous

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



25.2285, 30.2053, 2.0667



17.1988, 30.2053, 4.9237



13.1183, 30.2053, 16.2200

Triad

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



17.1988, 30.2053, 4.9237



22.0674, 30.2053, 128.3553



54.8667, 30.2053, 23.5454

Complementary

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



17.1988, 30.2053, 4.9237



12.0819, 5.3905, 38.4355

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.



53.3944, 30.2053, 58.2528



17.1988, 30.2053, 4.9237



32.4962, 30.2053, 135.3266

Square

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



17.1988, 30.2053, 4.9237



15.3930, 30.2053, 88.8051



44.4658, 30.2053, 104.2609



48.0882, 30.2053, 7.3733

Rectangle

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



17.1988, 30.2053, 4.9237



12.3735, 30.2053, 32.8099



44.4658, 30.2053, 104.2609



55.3538, 30.2053, 32.9671

Sweetspot

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



17.1995, 30.2066, 4.9244



51.8527, 64.7622, 40.9078



20.5375, 16.4647, 2.0960



11.1369, 14.2410, 8.2599



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.



17.1995, 30.2066, 4.9244



30.9642, 54.6801, 8.9223



14.4222, 28.7694, 5.0374



7.7349, 8.5614, 8.0341



12.7128, 22.2509, 3.6248



0.3684, 0.5718, 0.0910

Inverse Universe

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



12.0819, 5.3905, 38.4355



21.6649, 9.6479, 69.7222



23.0560, 11.1378, 34.8863



7.5219, 7.5017, 9.4699



8.9514, 3.9981, 28.2754



0.2749, 0.1267, 0.6906

Previews

White Background



This preview shows how the XYZ color 17.1988, 30.2053, 4.9237 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 17.1988, 30.2053, 4.9237 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 17.1988, 30.2053, 4.9237

Background



This preview shows how black text looks on a background with the XYZ color 17.1988, 30.2053, 4.9237.



This preview shows how white text looks on a background with the XYZ color 17.1988, 30.2053,

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

17.1988, 30.2053, 4.9237

Protanopia

26.6838, 29.7104, 4.3283

Deuteranopia

30.3218, 29.7359, 5.7316



Tritanopia

24.8331, 30.1033, 43.0298

Trichromacy



Original Color

17.1988, 30.2053, 4.9237

Protanomaly

21.7298, 29.1005, 4.4717

Deuteranomaly

23.2271, 28.6254, 5.0601

Tritanomaly

19.9950, 29.1689, 19.0443

Monochromacy



Original Color

17.1988, 30.2053, 4.9237

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

16.4335, 22.0186, 10.5916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.1988, 30.2053, 4.9237 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(74, 170, 0)` looks like.

```
.text, #text, p{  
    color:rgb(74, 170, 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(74, 170, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 170, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.1988, 30.2053, 4.9237 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(74, 170, 0) }
```


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

```
.border{ border-color:rgb(74, 170, 0) }
```

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

Here you see how a box with a 4 pixel rgb(74, 170, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 170, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 170, 0);  
box-shadow:4px 4px 4px 4px rgb(74, 170, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.1988, 30.2053, 4.9237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 170, 0) }
```

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

```
.background{ background-color: rgb(74, 170,  
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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