

Converting Colors

XYZ(17.4233, 30.4447, 9.2206)

Have a look what the booklet for
XYZ(17.4233, 30.4447, 9.2206)
contains.

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Color

**XYZ(17.4929, 30.5421,
9.2482)**

Conversions

Conversions Part 1

Format	Color
Hex	40AB3C
RGB	64, 171, 60
RGB Percent	25%, 67%, 24%
CMY	0.7490, 0.3294, 0.7647
CMYK	0.63, 0.00, 0.65, 0.33
HSL	118°, 48%, 45%
HSV	118°, 65%, 67%
XYZ	17.4929, 30.5421, 9.2482
YIQ	126.3530, -28.1410, -57.2050

Conversions

Conversions Part 2

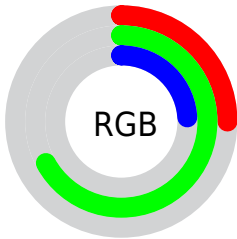
Format	Color
RYB	60, 171, 167
Decimal	4238140
CIELab	62.12, -52.31, 46.77
CIELCh	62, 70.172, 138.199
Yxy	30.5421, 0.3054, 0.5332
Android (android.graphics.Color)	4282428220 (0xFF40AB3C)
YUV	126.3530, -32.7120, -54.6836
Hunter-Lab	55.2649, -40.2133, 28.7637

Details

The XYZ color **17.4929, 30.5421, 9.2482** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **24.9047, 14.3886, 39.9944**, and the grayscale version is **20.0671, 21.1122, 22.9912**.

A 20% lighter version of the original color is **38.5621, 60.3190, 24.9395**, and **6.3613, 12.7226, 2.1204** is the 20% darker color. If you saturate the color by 10%, you get **16.1940, 29.9175, 7.1973**, and if you desaturate by 10%, it is **19.2561, 31.3910, 12.0846**.

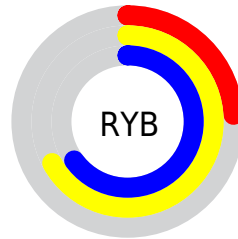
Distribution



Red (25%)

Green (67%)

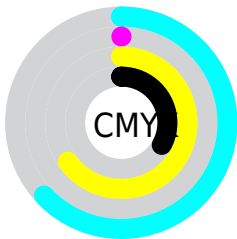
Blue (24%)



Red (24%)

Yellow (67%)

Blue (65%)

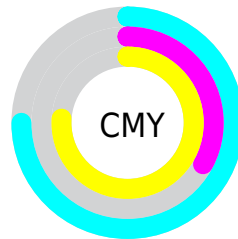


Cyan (63%)

Magenta (0%)

Yellow (65%)

Black (33%)



Cyan (75%)

Magenta (33%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.4929, 30.5421, 9.2482 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 17.4929, 30.5421, 9.2482 by changing the saturation by 10% instead.

■ 17.4929, 30.5421,
9.2482

■ 17.4929, 30.5421,
9.2482

231.0983,
304.4232, 195.5045

■ 10.6840, 20.2504,
4.8044

■ 38.7082, 60.5184,
24.9568

■ 5.9205, 12.5772,
2.0762

■ 53.8454, 80.9719,
37.0587

■ 2.8370, 7.1381,
0.6016

■ 72.4893, 105.5813,
52.5504

■ 1.0682, 3.5486,
0.0000

■ 95.0054, 134.7313,
71.8504

■ 0.0000, 1.4244,
0.0000

■ 121.7590,
168.8060, 95.3773

■ 0.0000, 0.2346,
0.0000

■ 153.1154,

■ 0.0000, 0.0000,

208.1900, 123.5496

0.0000

189.4401,
253.2676, 156.7858

■ 17.4929, 30.5421,
9.2482

■ 17.4929, 30.5421,
9.2482

■ 16.1940, 29.9175,
7.1973

■ 19.2561, 31.3910,
12.0846

■ 15.3138, 29.4926,
5.8513

■ 21.5196, 32.4786,
15.7725

■ 14.8009, 29.2440,
5.1145

■ 24.3182, 33.8224,
20.3736

■ 14.6406, 29.1668,
4.8581

■ 27.6830, 35.4373,
25.9430

■ 31.6429, 37.3369,
32.5317

■ 36.2245, 39.5341,
40.1869

■ 41.4530, 42.0409,
48.9529

■ 47.3523, 44.8687,
58.8717

■ 53.9449, 48.0282,
69.9828

Harmonies

Analogous

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



23.7220, 30.5421, 4.2844



17.4929, 30.5421, 9.2482



14.6415, 30.5421, 23.7173

Triad

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



17.4929, 30.5421, 9.2482



25.4735, 30.5421, 114.4928



49.9092, 30.5421, 19.5199

Complementary

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



17.4929, 30.5421, 9.2482



24.9047, 14.3886, 39.9944

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.



50.6653, 30.5421, 45.0584



17.4929, 30.5421, 9.2482



35.0745, 30.5421, 111.1037

Square

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



17.4929, 30.5421, 9.2482



18.5347, 30.5421, 88.9996



44.7695, 30.5421, 81.3250



42.8848, 30.5421, 7.6084

Rectangle

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



17.4929, 30.5421, 9.2482



14.5163, 30.5421, 41.2319



44.7695, 30.5421, 81.3250



50.9531, 30.5421, 26.3799

Sweetspot

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



17.4936, 30.5434, 9.2489



53.3958, 65.2959, 52.8083



31.1481, 36.0587, 9.5938



11.4726, 14.3526, 11.0532



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.



17.4936, 30.5434, 9.2489



28.2094, 53.1963, 11.6656



19.2392, 31.2126, 19.7492



7.9302, 8.9526, 8.5234



11.0461, 21.9916, 3.6626



0.3157, 0.6161, 0.1023

Inverse Universe

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



24.9047, 14.3886, 39.9944



42.4613, 21.9873, 71.0079



21.8658, 13.2722, 19.5157



8.3081, 8.1332, 10.0847



17.2241, 8.2392, 29.7270



0.4878, 0.2336, 0.8274

Previews

White Background



This preview shows how the XYZ color 17.4929, 30.5421, 9.2482 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 17.4929, 30.5421, 9.2482 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 17.4929, 30.5421, 9.2482

Background



This preview shows how black text looks on a background with the XYZ color 17.4929, 30.5421, 9.2482.



This preview shows how white text looks on a background with the XYZ color 17.4929, 30.5421,

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

17.4929, 30.5421, 9.2482

Protanopia

27.3497, 29.9767, 7.8346

Deuteranopia

30.5143, 29.9660, 9.8060



Tritanopia

24.4280, 30.3829, 44.1122

Trichromacy



Original Color

17.4929, 30.5421, 9.2482



Protanomaly

21.9767, 29.1453, 8.2087



Deuteranomaly

23.1898, 28.7513, 9.4816



Tritanomaly

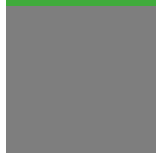
20.8337, 29.9662, 26.5158

Monochromacy



Original Color

17.4929, 30.5421, 9.2482



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

17.6648, 23.1889, 16.1152

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4929, 30.5421, 9.2482 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(64, 171, 60)` looks like.

```
.text, #text, p{  
    color:rgb(64, 171, 60)  
}
```

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(64, 171, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 171, 60) }
```

Border

The CSS property to change the border of an element to XYZ 17.4929, 30.5421, 9.2482 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(64, 171, 60) }
```


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

```
.border{ border-color:rgb(64, 171, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 171, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 171, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 171, 60);  
box-shadow:4px 4px 4px 4px rgb(64, 171,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 17.4929, 30.5421, 9.2482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 171, 60) }
```

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

```
.background{ background-color: rgb(64, 171,  
60) }
```

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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