

Converting Colors

XYZ(17.2321, 32.8208, 5.4268)

Have a look what the booklet for
XYZ(17.2321, 32.8208, 5.4268)
contains.

XYZ(17.2468, 32.8210, 5.4261)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(17.2468, 32.8210,
5.4261)**

Conversions

Conversions Part 1

Format	Color
Hex	2EB300
RGB	46, 179, 0
RGB Percent	18%, 70%, 0%
CMY	0.8196, 0.2980, 0.9999
CMYK	0.74, 0.00, 1.00, 0.30
HSL	105°, 100%, 35%
HSV	105°, 100%, 70%
XYZ	17.2468, 32.8210, 5.4261
YIQ	118.8270, -21.8090, -83.8650

Conversions

Conversions Part 2

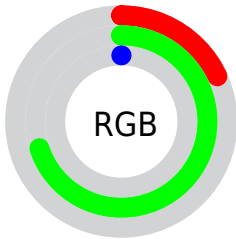
Format	Color
RYB	0, 179, 133
Decimal	3060480
CIELab	64.02, -61.83, 64.36
CIElCh	64, 89.244, 133.850
Yxy	32.8210, 0.3108, 0.5914
Android (android.graphics.Color)	4281250560 (0xFF2EB300)
YUV	118.8270, -58.5817, -63.8693
Hunter-Lab	57.2896, -46.5201, 34.4872

Details

The XYZ color **17.2468, 32.8210, 5.4261** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **17.8135, 8.2435, 43.3018**, and the grayscale version is **17.6656, 18.5856, 20.2397**.

A 20% lighter version of the original color is **38.3702, 64.1575, 17.1988**, and **7.3336, 14.6672, 2.4445** is the 20% darker color. If you saturate the color by 10%, you get **17.2469, 32.8220, 5.4263**, and if you desaturate by 10%, it is **18.0508, 33.2240, 6.0303**.

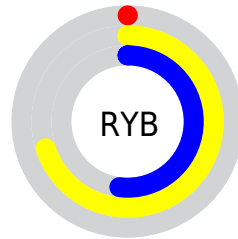
Distribution



Red (18%)

Green (70%)

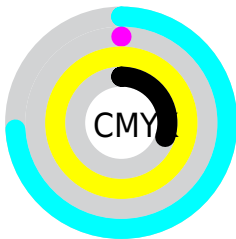
Blue (0%)



Red (0%)

Yellow (70%)

Blue (52%)

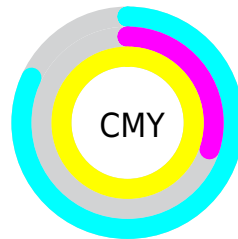


Cyan (74%)

Magenta (0%)

Yellow (100%)

Black (30%)



Cyan (82%)

Magenta (30%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2468, 32.8210, 5.4261 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 17.2468, 32.8210, 5.4261 by changing the saturation by 10% instead.

■ 17.2468, 32.8210,
5.4261

■ 17.2468, 32.8210,
5.4261

229.7192,
314.8424, 162.9581

■ 10.5070, 21.9894,
2.4363

■ 38.2899, 64.0960,
17.1842

■ 5.8012, 13.8491,
0.8061

■ 53.3238, 85.3081,
26.7895

■ 2.7641, 8.0158,
0.0000

■ 71.8532, 110.7491,
39.4371

■ 1.0303, 4.1050,
0.0000

■ 94.2434, 140.8035,
55.5456

■ 0.0000, 1.7325,
0.0000

■ 120.8598,
175.8556, 75.5333

■ 0.0000, 0.4446,
0.0000

■ 152.0676,

■ 0.0000, 0.0000,

216.2899, 99.8190

0.0000

188.2323,
262.4907, 128.8211

■ 17.2468, 32.8210,
5.4261

■ 17.2468, 32.8210,
5.4261

■ 17.2469, 32.8220,
5.4263

■ 18.0508, 33.2240,
6.0303

■ 19.1541, 33.7688,
7.1631

■ 20.6090, 34.4791,
9.0245

■ 22.4463, 35.3687,
11.7098

■ 24.6928, 36.4497,
15.3001

■ 27.3729, 37.7331,
19.8666

■ 30.5090, 39.2290,
25.4735

■ 34.1218, 40.9467,
32.1795

■ 38.2307, 42.8952,
40.0388

Harmonies

Analogous

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



25.7502, 32.8210, 1.8384



17.2468, 32.8210, 5.4261



13.2373, 32.8210, 19.7085

Triad

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



17.2468, 32.8210, 5.4261



24.9327, 32.8210, 152.3185



61.1091, 32.8210, 21.5730

Complementary

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



17.2468, 32.8210, 5.4261



17.8135, 8.2435, 43.3018

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.



60.7160, 32.8210, 58.7068



17.2468, 32.8210, 5.4261



37.3586, 32.8210, 154.2207

Square

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



17.2468, 32.8210, 5.4261



16.7879, 32.8210, 108.5301



51.1585, 32.8210, 112.7115



52.1205, 32.8210, 6.0059

Rectangle

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



17.2468, 32.8210, 5.4261



12.7350, 32.8210, 40.5981



51.1585, 32.8210, 112.7115



62.1314, 32.8210, 31.2793

Sweetspot

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



17.2476, 32.8224, 5.4268



54.3278, 70.1072, 45.0542



26.7444, 25.8904, 3.5883



11.4992, 15.2763, 9.0121



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



17.2476, 32.8224, 5.4268



30.7110, 58.6901, 9.7097



16.5350, 32.4072, 7.5538



8.5869, 9.5921, 9.0514



12.2396, 23.2198, 3.8368



0.4404, 0.7591, 0.1233

Inverse Universe

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



17.8135, 8.2435, 43.3018



31.6816, 14.6491, 77.5389



23.1240, 11.3975, 24.7385



8.6327, 8.5347, 10.6987



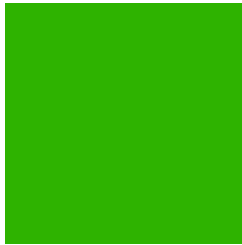
12.6494, 5.8568, 30.6008



0.4485, 0.2103, 0.9652

Previews

White Background



This preview shows how the XYZ color 17.2468, 32.8210, 5.4261 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 17.2468, 32.8210, 5.4261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

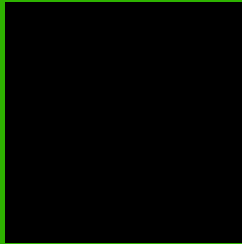
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 17.2468, 32.8210, 5.4261

Background



This preview shows how black text looks on a background with the XYZ color 17.2468, 32.8210, 5.4261.



This preview shows how white text looks on a background with the XYZ color 17.2468, 32.8210,

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

17.2468, 32.8210, 5.4261

Protanopia

29.0112, 32.1099, 4.6688

Deuteranopia

32.8769, 32.1670, 6.3098



Tritanopia

25.7122, 32.5462, 48.1069

Trichromacy



Original Color

17.2468, 32.8210, 5.4261



Protanomaly

21.8496, 30.7064, 4.7753



Deuteranomaly

23.2069, 30.0951, 5.4500



Tritanomaly

20.2560, 31.7032, 21.2714

Monochromacy



Original Color

17.2468, 32.8210, 5.4261



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

15.2430, 21.8469, 10.2510

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2468, 32.8210, 5.4261 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(46, 179, 0)` looks like.

```
.text, #text, p{  
    color:rgb(46, 179, 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(46, 179, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 179, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.2468, 32.8210, 5.4261 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(46, 179, 0) }
```


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

```
.border{ border-color:rgb(46, 179, 0) }
```

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

Here you see how a box with a 4 pixel rgb(46, 179, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 179, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 179, 0);  
box-shadow:4px 4px 4px 4px rgb(46, 179, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.2468, 32.8210, 5.4261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 179, 0) }
```

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

```
.background{ background-color: rgb(46, 179,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor