

Converting Colors

XYZ(16.8838, 32.1338, 5.6045)

Have a look what the booklet for
XYZ(16.8838, 32.1338, 5.6045)
contains.

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Color

**XYZ(16.8156, 32.0017,
5.5778)**

Conversions

Conversions Part 1

Format	Color
Hex	2CB10A
RGB	44, 177, 10
RGB Percent	17%, 69%, 4%
CMY	0.8275, 0.3059, 0.9607
CMYK	0.75, 0.00, 0.94, 0.31
HSL	108°, 89%, 37%
HSV	108°, 94%, 69%
XYZ	16.8156, 32.0017, 5.5778
YIQ	118.1950, -25.6610, -80.1330

Conversions

Conversions Part 2

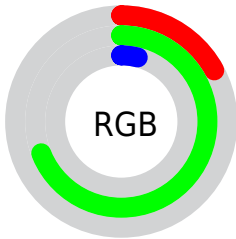
Format	Color
RYB	10, 177, 143
Decimal	2928906
CIELab	63.34, -61.31, 62.52
CIELCh	63, 87.567, 134.440
Yxy	32.0017, 0.3091, 0.5883
Android (android.graphics.Color)	4281118986 (0xFF2CB10A)
YUV	118.1950, -53.3401, -65.0690
Hunter-Lab	56.5700, -45.9380, 33.7530

Details


The XYZ color **16.8156, 32.0017, 5.5778** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **19.3762, 9.2334, 42.3578**, and the grayscale version is **17.4501, 18.3589, 19.9928**.

A 20% lighter version of the original color is **37.6442, 62.9209, 17.5580**, and **7.0830, 14.1659, 2.3610** is the 20% darker color. If you saturate the color by 10%, you get **16.4511, 31.8211, 5.2750**, and if you desaturate by 10%, it is **17.6796, 32.4306, 6.4088**.

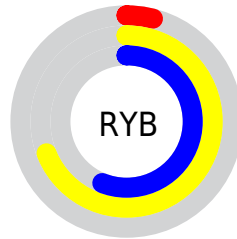
Distribution



 Red (17%)

 Green (69%)

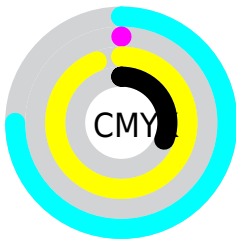
 Blue (4%)



 Red (4%)

 Yellow (69%)

 Blue (56%)

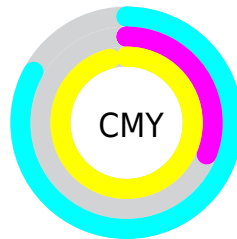



 Cyan (75%)


 Magenta (0%)

 Yellow (94%)

 Black (31%)



 Cyan (83%)

 Magenta (31%)

 Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8156, 32.0017, 5.5778 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 16.8156, 32.0017, 5.5778 by changing the saturation by 10% instead.

■ 16.8156, 32.0017,
5.5778

■ 16.8156, 32.0017,
5.5778

227.2845,
311.1270, 164.4147

■ 10.1976, 21.3628,
2.5255

■ 37.5546, 62.8138,
17.5104

■ 5.5934, 13.3895,
0.8536

■ 52.4063, 83.7557,
27.2277

■ 2.6378, 7.6973,
0.0000

■ 70.7332, 108.9008,
40.0038

■ 0.9652, 3.9019,
0.0000

■ 92.9008, 138.6334,
56.2572

■ 0.0000, 1.6188,
0.0000

■ 119.2744,
173.3379, 76.4065

■ 0.0000, 0.3702,
0.0000

■ 150.2193,

■ 0.0000, 0.0000,

213.3988, 100.8701

0.0000

186.1009,
259.2003, 130.0667

■ 16.8156, 32.0017,
5.5778

■ 16.8156, 32.0017,
5.5778

■ 16.4511, 31.8211,
5.2750

■ 17.6796, 32.4306,
6.4088

■ 18.8916, 33.0236,
7.9034

■ 20.4881, 33.7982,
10.1637

■ 22.5001, 34.7687,
13.2739

■ 24.9553, 35.9477,
17.3072

■ 27.8787, 37.3466,
22.3289

■ 31.2937, 38.9763,
28.3983

■ 35.2218, 40.8466,
35.5702

■ 39.6834, 42.9670,
43.8954

Harmonies

Analogous

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



24.9547, 32.0017, 1.9137



16.8156, 32.0017, 5.5778



13.0043, 32.0017, 19.8006

Triad

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



16.8156, 32.0017, 5.5778



24.5698, 32.0017, 147.2236



59.1164, 32.0017, 20.6807

Complementary

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



16.8156, 32.0017, 5.5778



19.3762, 9.2334, 42.3578

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.



58.9323, 32.0017, 56.0525



16.8156, 32.0017, 5.5778



36.6225, 32.0017, 148.1108

Square

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



16.8156, 32.0017, 5.5778



16.5989, 32.0017, 105.8270



49.8828, 32.0017, 107.7799



50.3336, 32.0017, 5.8551

Rectangle

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



16.8156, 32.0017, 5.5778



12.5632, 32.0017, 40.2849



49.8828, 32.0017, 107.7799



60.1627, 32.0017, 29.9173

Sweetspot

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



16.8163, 32.0030, 5.5785



53.4042, 68.5436, 46.1275



27.6859, 28.3670, 4.3038



11.0247, 14.5925, 9.0248



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



16.8163, 32.0030, 5.5785



29.3165, 56.9130, 9.4402



16.5950, 31.8090, 9.1792



8.5452, 9.5706, 9.0495



11.9604, 23.0759, 3.8237



0.4234, 0.7503, 0.1225

Inverse Universe

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



19.3762, 9.2334, 42.3578



33.6928, 15.7274, 75.7552



22.2495, 11.1684, 21.9933



8.6773, 8.5577, 10.7008



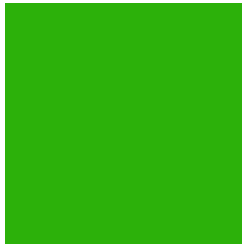
13.7566, 6.4276, 30.6526



0.4758, 0.2244, 0.9665

Previews

White Background



This preview shows how the XYZ color 16.8156, 32.0017, 5.5778 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

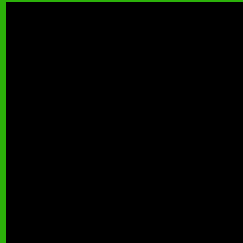
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 16.8156, 32.0017, 5.5778

Background



This preview shows how black text looks on a background with the XYZ color 16.8156, 32.0017, 5.5778.



This preview shows how white text looks on a background with the XYZ color 16.8156, 32.0017,

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

16.8156, 32.0017, 5.5778

Protanopia

28.4045, 31.5531, 4.5933

Deuteranopia

31.8253, 31.1694, 6.2584



Tritanopia

25.1472, 32.0094, 46.9725

Trichromacy



Original Color

16.8156, 32.0017, 5.5778



Protanomaly

21.3997, 30.2094, 4.8180



Deuteranomaly

22.5793, 29.2640, 5.5571



Tritanomaly

19.8531, 30.9255, 21.7525

Monochromacy



Original Color

16.8156, 32.0017, 5.5778



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

14.9583, 21.2539, 10.7112

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8156, 32.0017, 5.5778 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(44, 177, 10)` looks like.

```
.text, #text, p{  
    color:rgb(44, 177, 10)  
}
```

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(44, 177, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 177, 10) }
```

Border

The CSS property to change the border of an element to XYZ 16.8156, 32.0017, 5.5778 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(44, 177, 10) }
```


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

```
.border{ border-color:rgb(44, 177, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 177, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 177, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 177, 10);  
box-shadow:4px 4px 4px 4px rgb(44, 177,  
10) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8156, 32.0017, 5.5778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 177, 10) }
```

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

```
.background{ background-color: rgb(44, 177,  
10) }
```

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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