

Converting Colors

XYZ(17.8520, 30.5322, 5.4852)

Have a look what the booklet for
XYZ(17.8520, 30.5322, 5.4852)
contains.

XYZ(17.8692, 30.5393, 5.4832)	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(17.8692, 30.5393,
5.4832)**

Conversions

Conversions Part 1

Format	Color
Hex	51AA11
RGB	81, 170, 17
RGB Percent	32%, 67%, 7%
CMY	0.6824, 0.3333, 0.9333
CMYK	0.52, 0.00, 0.90, 0.33
HSL	95°, 82%, 37%
HSV	95°, 90%, 67%
XYZ	17.8692, 30.5393, 5.4832
YIQ	125.9470, -3.9310, -66.4510

Conversions

Conversions Part 2

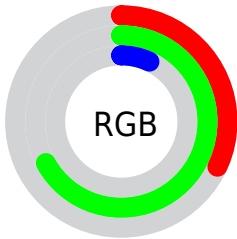
Format	Color
RYB	17, 170, 106
Decimal	5351953
CIELab	62.12, -50.28, 60.83
CIELCh	62, 78.915, 129.575
Yxy	30.5393, 0.3316, 0.5667
Android (android.graphics.Color)	4283542033 (0xFF51AA11)
YUV	125.9470, -53.7109, -39.4185
Hunter-Lab	55.2624, -38.9908, 32.8008

Details

The XYZ color **17.8692, 30.5393, 5.4832** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **13.4025, 6.3689, 38.5550**, and the grayscale version is **19.9921, 21.0332, 22.9052**.

A 20% lighter version of the original color is **39.3290, 60.4758, 17.3847**, and **6.3738, 12.7290, 2.1210** is the 20% darker color. If you saturate the color by 10%, you get **16.9820, 30.0946, 4.9141**, and if you desaturate by 10%, it is **18.9678, 31.0849, 6.5146**.

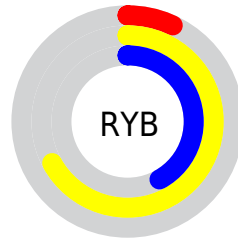
Distribution



Red (32%)

Green (67%)

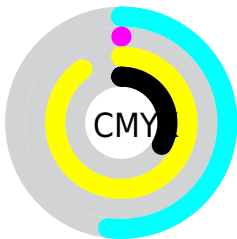
Blue (7%)



Red (7%)

Yellow (67%)

Blue (42%)

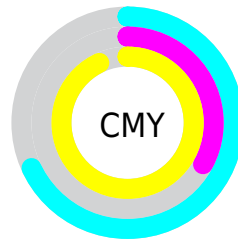


Cyan (52%)

Magenta (0%)

Yellow (90%)

Black (33%)



Cyan (68%)

Magenta (33%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8692, 30.5393, 5.4832 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 17.8692, 30.5393, 5.4832 by changing the saturation by 10% instead.

■ 17.8692, 30.5393,
5.4832

■ 17.8692, 30.5393,
5.4832

233.1926,
304.4102, 163.5085

■ 10.9552, 20.2483,
2.4698

■ 39.3462, 60.5140,
17.3072

■ 6.1038, 12.5757,
0.8241

■ 54.6399, 80.9665,
26.9548

■ 2.9496, 7.1370,
0.0000

■ 73.4575, 105.5749,
39.6510

■ 1.1271, 3.5479,
0.0000

■ 96.1645, 134.7237,
55.8143

■ 0.0476, 1.4240,
0.0000

■ 123.1261,
168.7973, 75.8631

■ 0.0000, 0.2343,
0.0000

■ 154.7078,

■ 0.0000, 0.0000,

208.1799, 100.2160

0.0000

191.2748,
253.2561, 129.2917

■ 17.8692, 30.5393,
5.4832

■ 17.8692, 30.5393,
5.4832

■ 16.9820, 30.0946,
4.9141

■ 18.9678, 31.0849,
6.5146

■ 16.9814, 30.0943,
4.9138

■ 20.3153, 31.7439,
8.1898

■ 21.9332, 32.5264,
10.5931

■ 23.8392, 33.4401,
13.7952

■ 26.0494, 34.4919,
17.8585

■ 28.5786, 35.6881,
22.8393

■ 31.4404, 37.0347,
28.7891

■ 34.6476, 38.5372,
35.7556

■ 38.2123, 40.2009,
43.7831

Harmonies

Analogous

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



25.7626, 30.5393, 2.5031



17.8692, 30.5393, 5.4832



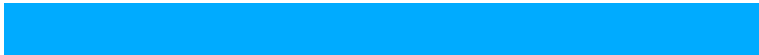
13.7939, 30.5393, 16.7405

Triad

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



17.8692, 30.5393, 5.4832



22.4708, 30.5393, 123.6089



54.1608, 30.5393, 24.4467

Complementary

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



17.8692, 30.5393, 5.4832



13.4025, 6.3689, 38.5550

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.



52.6609, 30.5393, 58.1060



17.8692, 30.5393, 5.4832



32.5554, 30.5393, 130.6016

Square

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



17.8692, 30.5393, 5.4832



15.9662, 30.5393, 86.1195



44.0670, 30.5393, 101.7160



47.7710, 30.5393, 8.1852

Rectangle

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



17.8692, 30.5393, 5.4832



13.0275, 30.5393, 32.8200



44.0670, 30.5393, 101.7160



54.5920, 30.5393, 33.6880

Sweetspot

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



17.8699, 30.5406, 5.4839



53.0928, 65.3349, 43.9720



21.6005, 18.4287, 2.9494



11.4763, 14.3985, 9.0659



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.



17.8699, 30.5406, 5.4839



30.5740, 54.4789, 8.9041



14.8071, 28.9502, 5.8573



7.7229, 8.5553, 8.0336



12.5519, 22.1680, 3.6173



0.3641, 0.5696, 0.0908

Inverse Universe

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



13.4025, 6.3689, 38.5550



22.2277, 9.9380, 69.7486



23.1070, 11.4789, 34.1657



7.5341, 7.5079, 9.4704



9.1791, 4.1154, 28.2861



0.2796, 0.1292, 0.6908

Previews

White Background



This preview shows how the XYZ color 17.8692, 30.5393, 5.4832 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 17.8692, 30.5393, 5.4832 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 17.8692, 30.5393, 5.4832

Background



This preview shows how black text looks on a background with the XYZ color 17.8692, 30.5393, 5.4832.



This preview shows how white text looks on a background with the XYZ color 17.8692, 30.5393,

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

17.8692, 30.5393, 5.4832

Protanopia

27.0877, 30.1507, 4.5643

Deuteranopia

30.7619, 30.1773, 6.0372



Tritanopia

25.4032, 30.3973, 43.0564

Trichromacy



Original Color

17.8692, 30.5393, 5.4832

Protanomaly

22.2651, 29.3701, 4.7827

Deuteranomaly

23.8570, 28.9398, 5.5568

Tritanomaly

20.8387, 29.5653, 20.8280

Monochromacy



Original Color

17.8692, 30.5393, 5.4832

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

17.7831, 23.3329, 12.3705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8692, 30.5393, 5.4832 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(81, 170, 17)` looks like.

```
.text, #text, p{  
    color:rgb(81, 170, 17)  
}
```

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(81, 170, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 170, 17) }
```

Border

The CSS property to change the border of an element to XYZ 17.8692, 30.5393, 5.4832 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(81, 170, 17) }
```


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

```
.border{ border-color:rgb(81, 170, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 170, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 170, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 170, 17);  
box-shadow:4px 4px 4px 4px rgb(81, 170,  
17) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8692, 30.5393, 5.4832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 170, 17) }
```

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

```
.background{ background-color: rgb(81, 170,  
17) }
```

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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