

Converting Colors

XYZ(17.4208, 31.7330, 4.7588)

Have a look what the booklet for
XYZ(17.4208, 31.7330, 4.7588)
contains.

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Color

**XYZ(17.5099, 31.7838,
5.2120)**

Conversions

Conversions Part 1

Format	Color
Hex	41AF00
RGB	65, 175, 0
RGB Percent	25%, 69%, 0%
CMY	0.7451, 0.3137, 0.9999
CMYK	0.63, 0.00, 1.00, 0.31
HSL	98°, 100%, 34%
HSV	98°, 100%, 69%
XYZ	17.5099, 31.7838, 5.2120
YIQ	122.1600, -9.3850, -77.7450

Conversions

Conversions Part 2

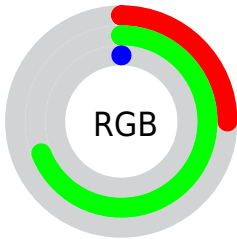
Format	Color
RYB	0, 175, 110
Decimal	4304640
CIELab	63.16, -56.72, 63.87
CIELCh	63, 85.422, 131.607
Yxy	31.7838, 0.3212, 0.5831
Android (android.graphics.Color)	4282494720 (0xFF41AF00)
YUV	122.1600, -60.2249, -50.1293
Hunter-Lab	56.3771, -43.2205, 33.9827

Details

The XYZ color **17.5099, 31.7838, 5.2120** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **14.1714, 6.4120, 41.0500**, and the grayscale version is **18.7453, 19.7215, 21.4767**.

A 20% lighter version of the original color is **38.8790, 62.7333, 16.7162**, and **6.8374, 13.6747, 2.2791** is the 20% darker color. If you saturate the color by 10%, you get **17.5099, 31.7848, 5.2122**, and if you desaturate by 10%, it is **18.4164, 32.2400, 5.8040**.

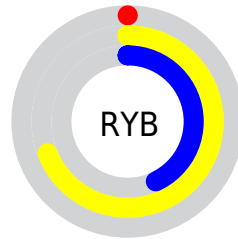
Distribution



Red (25%)

Green (69%)

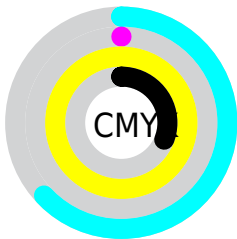
Blue (0%)



Red (0%)

Yellow (69%)

Blue (43%)

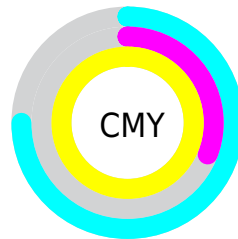


Cyan (63%)

Magenta (0%)

Yellow (100%)

Black (31%)



Cyan (75%)

Magenta (31%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.5099, 31.7838, 5.2120 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 17.5099, 31.7838, 5.2120 by changing the saturation by 10% instead.

■ 17.5099, 31.7838,
5.2120

■ 17.5099, 31.7838,
5.2120

231.1933,
310.1332, 160.8707

■ 10.6963, 21.1964,
2.3113

■ 38.7371, 62.4720,
16.7205

■ 5.9288, 13.2677,
0.7375

■ 53.8813, 83.3416,
26.1653

■ 2.8421, 7.6131,
0.0000

■ 72.5331, 108.4074,
38.6286

■ 1.0708, 3.8484,
0.0000

■ 95.0579, 138.0538,
54.5289

■ 0.0005, 1.5891,
0.0000

■ 121.8209,
172.6652, 74.2847


■ 0.0000, 0.3503,
0.0000


■ 153.1876,


■ 0.0000, 0.0000,


212.6260, 98.3146


0.0000


 189.5233,
258.3205, 127.0370


 17.5099, 31.7838,
5.2120


 17.5099, 31.7838,
5.2120


 17.5099, 31.7848,
5.2122

 18.4164, 32.2400,
5.8040

 19.5649, 32.8091,
6.8930

 20.9996, 33.5108,
8.6717

 22.7440, 34.3553,
11.2298

 24.8188, 35.3515,
14.6436

■ 27.2427, 36.5075,
18.9804

■ 30.0327, 37.8310,
24.3005

■ 33.2046, 39.3287,
30.6594

■ 36.7733, 41.0073,
38.1083

Harmonies

Analogous

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



25.8709, 31.7838, 2.0051



17.5099, 31.7838, 5.2120



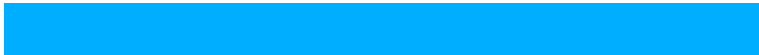
13.3899, 31.7838, 17.8871

Triad

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



17.5099, 31.7838, 5.2120



23.6013, 31.7838, 140.1296



58.3287, 31.7838, 23.1111

Complementary

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



17.5099, 31.7838, 5.2120



14.1714, 6.4120, 41.0500

Split Complementary

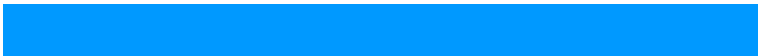
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



57.2576, 31.7838, 59.4247



17.5099, 31.7838, 5.2120



35.0081, 31.7838, 145.2478

Square

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



17.5099, 31.7838, 5.2120



16.2227, 31.7838, 98.1666



47.9177, 31.7838, 109.4729



50.5472, 31.7838, 6.9080

Rectangle

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



17.5099, 31.7838, 5.2120



12.7324, 31.7838, 36.4615



47.9177, 31.7838, 109.4729



59.0371, 31.7838, 32.8168

Sweetspot

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



17.5106, 31.7851, 5.2127



53.5045, 67.6181, 42.9711



23.0348, 19.8237, 2.6128



11.4183, 14.8044, 8.6358



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.



17.5106, 31.7851, 5.2127



31.1366, 56.8085, 9.3241



15.4610, 30.7135, 5.7956



8.1750, 9.0788, 8.5349



12.6019, 22.7936, 3.7354



0.4121, 0.6658, 0.1068

Inverse Universe

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



14.1714, 6.4120, 41.0500



25.1291, 11.3536, 73.5039



23.5621, 11.4675, 31.8010



8.0444, 7.9972, 10.0723



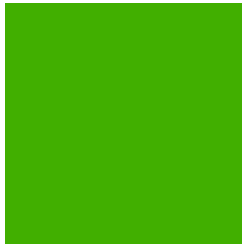
10.2171, 4.6270, 29.3991



0.3420, 0.1585, 0.8206

Previews

White Background



This preview shows how the XYZ color 17.5099, 31.7838, 5.2120 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 17.5099, 31.7838, 5.2120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

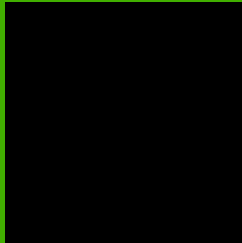
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 17.5099, 31.7838, 5.2120

Background



This preview shows how black text looks on a background with the XYZ color 17.5099, 31.7838, 5.2120.



This preview shows how white text looks on a background with the XYZ color 17.5099, 31.7838,

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

17.5099, 31.7838, 5.2120

Protanopia

28.0228, 31.1144, 4.5287

Deuteranopia

31.7930, 31.1565, 6.0884



Tritanopia

25.6530, 31.7619, 45.8529

Trichromacy



Original Color

17.5099, 31.7838, 5.2120

Protanomaly

22.0865, 30.0471, 4.6356

Deuteranomaly

23.5633, 29.5284, 5.3218

Tritanomaly

20.3995, 30.6921, 20.1782

Monochromacy



Original Color

17.5099, 31.7838, 5.2120

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

16.2669, 22.3665, 10.6675

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5099, 31.7838, 5.2120 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(65, 175, 0)` looks like.

```
.text, #text, p{  
    color:rgb(65, 175, 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(65, 175, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 175, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.5099, 31.7838, 5.2120 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(65, 175, 0) }
```


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

```
.border{ border-color:rgb(65, 175, 0) }
```

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

Here you see how a box with a 4 pixel rgb(65, 175, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 175, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 175, 0);  
box-shadow:4px 4px 4px 4px rgb(65, 175, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.5099, 31.7838, 5.2120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 175, 0) }
```

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

```
.background{ background-color: rgb(65, 175,  
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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