

Converting Colors

XYZ(17.3390, 31.6822, 3.3920)

Have a look what the booklet for
XYZ(17.3390, 31.6822, 3.3920)
contains.

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Color

**XYZ(17.7139, 31.8889,
5.2216)**

Conversions

Conversions Part 1

Format	Color
Hex	44AF00
RGB	68, 175, 0
RGB Percent	27%, 69%, 0%
CMY	0.7333, 0.3137, 0.9999
CMYK	0.61, 0.00, 1.00, 0.31
HSL	97°, 100%, 34%
HSV	97°, 100%, 69%
XYZ	17.7139, 31.8889, 5.2216
YIQ	123.0570, -7.5970, -77.1090

Conversions

Conversions Part 2

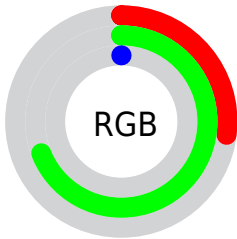
Format	Color
RYB	0, 175, 107
Decimal	4501248
CIELab	63.25, -56.00, 63.98
CIELCh	63, 85.022, 131.194
Yxy	31.8889, 0.3231, 0.5817
Android (android.graphics.Color)	4282691328 (0xFF44AF00)
YUV	123.0570, -60.6671, -48.2850
Hunter-Lab	56.4703, -42.8301, 34.0468

Details

The XYZ color **17.7139, 31.8889, 5.2216** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **13.8044, 6.2228, 41.0327**, and the grayscale version is **19.0429, 20.0346, 21.8177**.

A 20% lighter version of the original color is **39.1799, 62.8884, 16.7303**, and **6.8374, 13.6747, 2.2791** is the 20% darker color. If you saturate the color by 10%, you get **17.7137, 31.8898, 5.2217**, and if you desaturate by 10%, it is **18.6356, 32.3529, 5.8144**.

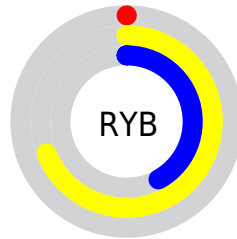
Distribution



Red (27%)

Green (69%)

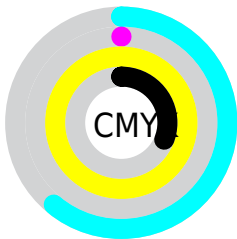
Blue (0%)



Red (0%)

Yellow (69%)

Blue (42%)

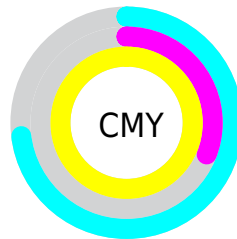


Cyan (61%)

Magenta (0%)

Yellow (100%)

Black (31%)



Cyan (73%)


Magenta (31%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.7139, 31.8889, 5.2216 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 17.7139, 31.8889, 5.2216 by changing the saturation by 10% instead.


 17.7139, 31.8889,
5.2216


 17.7139, 31.8889,
5.2216


232.3304,
310.6128, 160.9651


 10.8432, 21.2767,
2.3169


 39.0831, 62.6369,
16.7414


 6.0280, 13.3264,
0.7406


 54.3124, 83.5414,
26.1935

 2.9029, 7.6537,
0.0000


 73.0585, 108.6455,
38.6651

 1.1026, 3.8742,
0.0000

 95.6870, 138.3335,
54.5748

 0.0273, 1.6034,
0.0000

 122.5630,
172.9898, 74.3411


 0.0000, 0.3599,
0.0000


 154.0520,


 0.0000, 0.0000,


212.9989, 98.3826


0.0000


 190.5193,
258.7451, 127.1177


 17.7139, 31.8889,
5.2216

 17.7139, 31.8889,
5.2216


 17.7137, 31.8898,
5.2217

 18.6356, 32.3529,
5.8144

 19.7929, 32.9266,
6.9039

 21.2293, 33.6292,
8.6827

 22.9679, 34.4706,
11.2406

 25.0287, 35.4596,
14.6539

■ 27.4299, 36.6040,
18.9897

■ 30.1880, 37.9110,
24.3085

■ 33.3185, 39.3873,
30.6656

■ 36.8356, 41.0393,
38.1122

Harmonies

Analogous

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



26.1247, 31.8889, 2.0534



17.7139, 31.8889, 5.2216



13.5372, 31.8889, 17.7387

Triad

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



17.7139, 31.8889, 5.2216



23.5837, 31.8889, 139.3106



58.3719, 31.8889, 23.5974

Complementary

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



17.7139, 31.8889, 5.2216



13.8044, 6.2228, 41.0327

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.



57.1766, 31.8889, 60.0862



17.7139, 31.8889, 5.2216



34.9188, 31.8889, 145.0092

Square

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



17.7139, 31.8889, 5.2216



16.2701, 31.8889, 97.2933



47.7917, 31.8889, 109.8930



50.7277, 31.8889, 7.1379

Rectangle

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



17.7139, 31.8889, 5.2216



12.8463, 31.8889, 36.0902



47.7917, 31.8889, 109.8930



59.0333, 31.8889, 33.3880

Sweetspot

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



17.7146, 31.8903, 5.2223



53.7856, 67.7630, 42.9843



22.7326, 19.2195, 2.5121



11.4864, 14.8395, 8.6390



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.



17.7146, 31.8903, 5.2223



31.4960, 56.9938, 9.3409



15.4361, 30.7035, 5.6646



8.1878, 9.0854, 8.5355



12.7495, 22.8697, 3.7423



0.4170, 0.6683, 0.1070

Inverse Universe

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



13.8044, 6.2228, 41.0327



24.4690, 11.0133, 73.4730



23.8092, 11.5664, 33.1024



8.0312, 7.9904, 10.0717



9.9550, 4.4919, 29.3868



0.3358, 0.1553, 0.8203

Previews

White Background



This preview shows how the XYZ color 17.7139, 31.8889, 5.2216 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 17.7139, 31.8889, 5.2216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

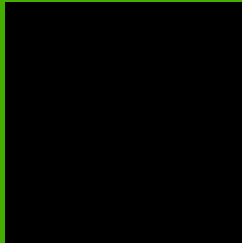
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 17.7139, 31.8889, 5.2216

Background



This preview shows how black text looks on a background with the XYZ color 17.7139, 31.8889, 5.2216.



This preview shows how white text looks on a background with the XYZ color 17.7139, 31.8889,

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

17.7139, 31.8889, 5.2216

Protanopia

28.2415, 31.2271, 4.5390

Deuteranopia

31.7930, 31.1565, 6.0884



Tritanopia

25.8634, 31.8704, 45.8627

Trichromacy



Original Color

17.7139, 31.8889, 5.2216



Protanomaly

22.4023, 30.2099, 4.6504



Deuteranomaly

23.7403, 29.6196, 5.3301



Tritanomaly

20.5811, 30.7857, 20.1867

Monochromacy



Original Color

17.7139, 31.8889, 5.2216



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

16.6417, 22.7796, 10.7275

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7139, 31.8889, 5.2216 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(68, 175, 0)` looks like.

```
.text, #text, p{  
    color:rgb(68, 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(68, 175, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 175, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.7139, 31.8889, 5.2216 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(68, 175, 0) }
```


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

```
.border{ border-color:rgb(68, 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(68, 175, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 175, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 175, 0);  
box-shadow:4px 4px 4px 4px rgb(68, 175, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.7139, 31.8889, 5.2216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 175, 0) }
```

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

```
.background{ background-color: rgb(68, 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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