

Converting Colors

XYZ(17.3928, 33.7511, 6.1769)

Have a look what the booklet for
XYZ(17.3928, 33.7511, 6.1769)
contains.

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Color

**XYZ(17.4022, 33.7909,
6.1774)**

Conversions

Conversions Part 1

Format	Color
Hex	1FB612
RGB	31, 182, 18
RGB Percent	12%, 71%, 7%
CMY	0.8784, 0.2863, 0.9294
CMYK	0.83, 0.00, 0.90, 0.29
HSL	115°, 82%, 39%
HSV	115°, 90%, 71%
XYZ	17.4022, 33.7909, 6.1774
YIQ	118.1550, -37.3520, -83.0160

Conversions

Conversions Part 2

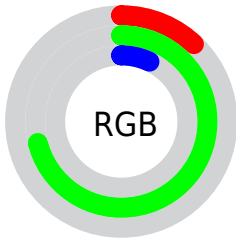
Format	Color
RYB	18, 182, 169
Decimal	2078226
CIELab	64.80, -64.34, 62.45
CIELCh	65, 89.668, 135.853
Yxy	33.7909, 0.3033, 0.5890
Android (android.graphics.Color)	4280268306 (0xFF1FB612)
YUV	118.1550, -49.3764, -76.4349
Hunter-Lab	58.1299, -48.2903, 34.3903

Details

The XYZ color **17.4022, 33.7909, 6.1774** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **25.0263, 12.2475, 45.3028**, and the grayscale version is **17.4280, 18.3356, 19.9675**.

A 20% lighter version of the original color is **38.4912, 65.4833, 18.7945**, and **7.5894, 15.1787, 2.5298** is the 20% darker color. If you saturate the color by 10%, you get **16.9162, 33.5540, 5.5850**, and if you desaturate by 10%, it is **18.2579, 34.2085, 7.3268**.

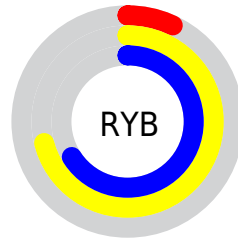
Distribution



Red (12%)

Green (71%)

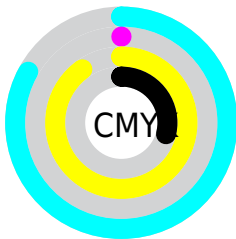
Blue (7%)



Red (7%)

Yellow (71%)

Blue (66%)

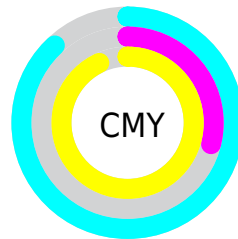


Cyan (83%)

Magenta (0%)

Yellow (90%)

Black (29%)



Cyan (88%)


Magenta (29%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.4022, 33.7909, 6.1774 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 17.4022, 33.7909, 6.1774 by changing the saturation by 10% instead.


 17.4022, 33.7909,
6.1774


 17.4022, 33.7909,
6.1774


230.5909,
319.1987, 170.0048


 10.6187, 22.7330,
2.8827


 38.5541, 65.6084,
18.7820


 5.8765, 14.3965,
1.0351


 53.6533, 87.1367,
28.9290


 2.8101, 8.3969,
0.0000


 72.2551, 112.9241,
42.1972

 1.0541, 4.3500,
0.0000

 94.7249, 143.3547,
59.0051

 0.0000, 1.8712,
0.0000

 121.4280,
178.8131, 79.7713

 0.0000, 0.5310,
0.0000

 152.7298,

 0.0000, 0.0000,

219.6836, 104.9143

0.0000

188.9957,
266.3507, 134.8526

■ 17.4022, 33.7909,
6.1774

■ 17.4022, 33.7909,
6.1774

■ 16.9162, 33.5540,
5.5850

■ 18.2579, 34.2085,
7.3268

■ 19.5524, 34.8350,
9.2345

■ 21.3356, 35.6948,
12.0017

■ 23.6498, 36.8081,
15.7138

■ 26.5330, 38.1927,
20.4456

■ 30.0195, 39.8648,
26.2647

■ 34.1410, 41.8396,
33.2327

■ 38.9268, 44.1308,
41.4067

■ 44.4046, 46.7516,
50.8399

Harmonies

Analogous

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



25.8057, 33.7909, 2.0316



17.4022, 33.7909, 6.1774



13.5675, 33.7909, 22.0165

Triad

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



17.4022, 33.7909, 6.1774



26.4276, 33.7909, 157.6349



62.3806, 33.7909, 20.5965

Complementary

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



17.4022, 33.7909, 6.1774



25.0263, 12.2475, 45.3028

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.



62.6789, 33.7909, 57.0322



17.4022, 33.7909, 6.1774



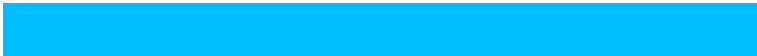
39.3821, 33.7909, 156.1943

Square

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



17.4022, 33.7909, 6.1774



17.7518, 33.7909, 114.9475



53.4100, 33.7909, 111.7788



52.6799, 33.7909, 5.7330

Rectangle

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



17.4022, 33.7909, 6.1774



13.2198, 33.7909, 44.5244



53.4100, 33.7909, 111.7788



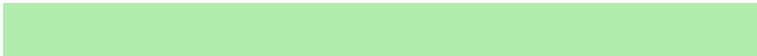
63.6568, 33.7909, 30.0120

Sweetspot

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



17.4030, 33.7923, 6.1782



56.2858, 73.1645, 50.7514



33.4665, 38.1193, 6.1667



11.9066, 15.9081, 10.3259



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



17.4030, 33.7923, 6.1782



30.5919, 60.7915, 10.1216



18.6719, 34.2634, 14.5060



8.9545, 10.0932, 9.5831



11.9692, 23.7067, 3.9450



0.4442, 0.8472, 0.1401

Inverse Universe

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



25.0263, 12.2475, 45.3028



44.3323, 21.0858, 81.9691



22.5275, 11.5860, 16.8715



9.3089, 9.1256, 11.3502



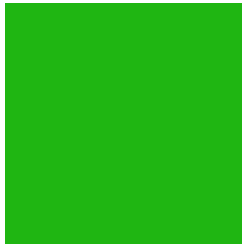
17.3306, 8.2455, 31.9312



0.6318, 0.3014, 1.1266

Previews

White Background



This preview shows how the XYZ color 17.4022, 33.7909, 6.1774 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 17.4022, 33.7909, 6.1774 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 17.4022, 33.7909, 6.1774

Background



This preview shows how black text looks on a background with the XYZ color 17.4022, 33.7909, 6.1774.



This preview shows how white text looks on a background with the XYZ color 17.4022, 33.7909,

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

17.4022, 33.7909, 6.1774

Protanopia

29.7930, 33.0070, 4.8007

Deuteranopia

33.7728, 33.0827, 6.7961



Tritanopia

26.1285, 33.5442, 49.8973

Trichromacy



Original Color

17.4022, 33.7909, 6.1774



Protanomaly

21.6619, 31.1366, 5.0693



Deuteranomaly

22.9987, 30.4857, 6.1110



Tritanomaly

20.7611, 32.7589, 23.9678

Monochromacy



Original Color

17.4022, 33.7909, 6.1774



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

14.8856, 21.6374, 11.3745

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4022, 33.7909, 6.1774 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(31, 182, 18)` looks like.

```
.text, #text, p{  
    color:rgb(31, 182, 18)  
}
```

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(31, 182, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 182, 18) }
```

Border

The CSS property to change the border of an element to XYZ 17.4022, 33.7909, 6.1774 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(31, 182, 18) }
```


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

```
.border{ border-color:rgb(31, 182, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 182, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 182, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 182, 18);  
box-shadow:4px 4px 4px 4px rgb(31, 182,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 17.4022, 33.7909, 6.1774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 182, 18) }
```

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

```
.background{ background-color: rgb(31, 182,  
18) }
```

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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