

Converting Colors

XYZ(13.1159, 32.5685, 7.5852)

Have a look what the booklet for
XYZ(13.1159, 32.5685, 7.5852)
contains.

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Color

**XYZ(17.7320, 34.8511,
7.7999)**

Conversions

Conversions Part 1

Format	Color
Hex	00B928
RGB	0, 185, 40
RGB Percent	0%, 73%, 16%
CMY	1.0000, 0.2745, 0.8431
CMYK	1.00, 0.00, 0.78, 0.27
HSL	133°, 100%, 36%
HSV	133°, 100%, 73%
XYZ	17.7320, 34.8511, 7.7999
YIQ	113.1550, -63.7150, -84.3150

Conversions

Conversions Part 2

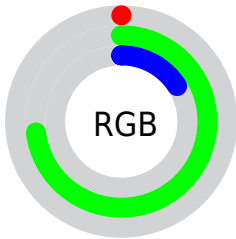
Format	Color
RYB	0, 152, 185
Decimal	47400
CIELab	65.63, -66.16, 57.68
CIELCh	66, 87.779, 138.918
Yxy	34.8511, 0.2937, 0.5772
Android (android.graphics.Color)	4278237480 (0xFF00B928)
YUV	113.1550, -36.0654, -99.2369
Hunter-Lab	59.0348, -49.6958, 33.4908

Details

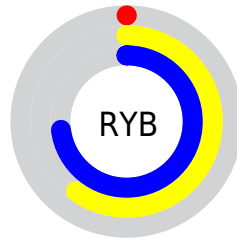
The XYZ color **17.7320, 34.8511, 7.7999** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **25.1194, 12.3592, 27.8506**, and the grayscale version is **15.8607, 16.6867, 18.1718**.

A 20% lighter version of the original color is **39.0090, 67.0014, 21.9429**, and **7.9826, 15.9653, 2.6609** is the 20% darker color. If you saturate the color by 10%, you get **17.7327, 34.8525, 7.8003**, and if you desaturate by 10%, it is **18.2865, 35.1039, 9.3647**.

Distribution



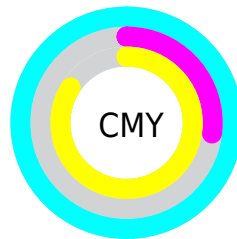
- Red (0%)
- Green (73%)
- Blue (16%)



- Red (0%)
- Yellow (60%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (78%)
- Black (27%)





- Cyan (100%)
- Magenta (27%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.7320, 34.8511, 7.7999 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 17.7320, 34.8511, 7.7999 by changing the saturation by 10% instead.


 17.7320, 34.8511,
7.7999


 17.7320, 34.8511,
7.7999


232.4310,
323.9106, 184.0296


 10.8563, 23.5482,
3.8812


 39.1138, 67.2550,
22.1049


 6.0368, 14.9988,
1.5604


 54.3506, 89.1249,
33.3283


 2.9084, 8.8186,
0.2623


 73.1051, 115.2858,
47.8237

 1.1055, 4.6230,
0.0000

 95.7427, 146.1222,
66.0096

 0.0297, 2.0278,
0.0000

 122.6287,
182.0185, 88.3047

 0.0000, 0.6236,
0.0000

 154.1285,

 0.0000, 0.0000,

223.3590, 115.1273

0.0000

190.6075,
270.5283, 146.8961

■ 17.7320, 34.8511,
7.7999

■ 17.7320, 34.8511,
7.7999

■ 17.7327, 34.8525,
7.8003

■ 18.2865, 35.1039,
9.3647

■ 19.1872, 35.5224,
11.4766

■ 20.5341, 36.1583,
14.1836

■ 22.3792, 37.0374,
17.5265

■ 24.7671, 38.1820,
21.5422

■ 27.7374, 39.6118,
26.2651

■ 31.3258, 41.3445,
31.7270

■ 35.5653, 43.3965,
37.9577

■ 40.4862, 45.7829,
44.9856

Harmonies

Analogous

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



25.7200, 34.8511, 2.6157



17.7320, 34.8511, 7.7999



14.2664, 34.8511, 25.8704

Triad

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



17.7320, 34.8511, 7.7999



28.5846, 34.8511, 158.9657



62.5464, 34.8511, 19.2689

Complementary

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



17.7320, 34.8511, 7.7999



25.1194, 12.3592, 27.8506

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.



63.8955, 34.8511, 53.2955



17.7320, 34.8511, 7.7999



41.8300, 34.8511, 152.5291

Square

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



17.7320, 34.8511, 7.7999



19.3586, 34.8511, 120.5643



55.5455, 34.8511, 106.3371



52.2326, 34.8511, 5.6462

Rectangle

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



17.7320, 34.8511, 7.7999



14.1738, 34.8511, 50.0514



55.5455, 34.8511, 106.3371



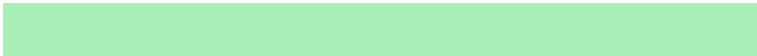
64.1478, 34.8511, 27.9706

Sweetspot

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



17.7328, 34.8525, 7.8007



55.7582, 73.8785, 56.3060



29.5631, 40.9955, 6.3550



11.4162, 15.6348, 11.2272



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.



17.7328, 34.8525, 7.8007



31.6878, 62.3901, 13.6010



21.3457, 36.2977, 26.8261



8.9677, 10.0911, 9.9874



12.0966, 23.7396, 5.4305



0.4497, 0.8462, 0.3138

Inverse Universe

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



25.1194, 12.3592, 27.8506



44.8966, 22.0981, 49.4031



20.7102, 10.5955, 4.6318



9.2955, 9.1286, 10.9037



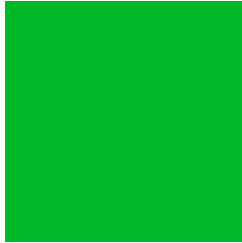
17.1310, 8.4262, 19.1087



0.6249, 0.3055, 0.7843

Previews

White Background



This preview shows how the XYZ color 17.7320, 34.8511, 7.7999 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 17.7320, 34.8511, 7.7999 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 17.7320, 34.8511, 7.7999

Background



This preview shows how black text looks on a background with the XYZ color 17.7320, 34.8511, 7.7999.



This preview shows how white text looks on a background with the XYZ color 17.7320, 34.8511,

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

17.7320, 34.8511, 7.7999

Protanopia

31.0327, 34.3711, 6.4375

Deuteranopia

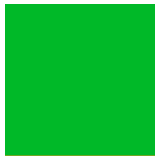
34.9089, 34.1040, 8.4842



Tritanopia

26.6760, 34.6280, 51.7323

Trichromacy



Original Color

17.7320, 34.8511, 7.7999



Protanomaly

21.1311, 31.6433, 6.6631



Deuteranomaly

22.2771, 30.8603, 7.8001



Tritanomaly

21.2224, 33.7907, 27.5940

Monochromacy



Original Color

17.7320, 34.8511, 7.7999



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

13.5848, 20.5148, 12.0479

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7320, 34.8511, 7.7999 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(0, 185, 40)` looks like.

```
.text, #text, p{  
    color:rgb(0, 185, 40)  
}
```

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(0, 185, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 185, 40) }
```

Border

The CSS property to change the border of an element to XYZ 17.7320, 34.8511, 7.7999 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(0, 185, 40) }
```


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

```
.border{ border-color:rgb(0, 185, 40) }
```

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

Here you see how a box with a 4 pixel rgb(0, 185, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 185, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 185, 40);  
box-shadow:4px 4px 4px 4px rgb(0, 185, 40)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.7320, 34.8511, 7.7999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 185, 40) }
```

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

```
.background{ background-color: rgb(0, 185,  
40) }
```

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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