

Converting Colors

XYZ(12.6282, 32.4311, 7.4922)

Have a look what the booklet for
XYZ(12.6282, 32.4311, 7.4922)
contains.

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Color

**XYZ(17.9251, 35.2643,
7.7814)**

Conversions

Conversions Part 1

Format	Color
Hex	00BA27
RGB	0, 186, 39
RGB Percent	0%, 73%, 15%
CMY	1.0000, 0.2706, 0.8470
CMYK	1.00, 0.00, 0.79, 0.27
HSL	133°, 100%, 36%
HSV	133°, 100%, 73%
XYZ	17.9251, 35.2643, 7.7814
YIQ	113.6280, -63.6690, -85.1490

Conversions

Conversions Part 2

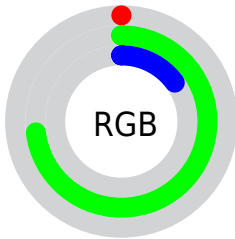
Format	Color
RYB	0, 154, 186
Decimal	47655
CIELab	65.95, -66.52, 58.30
CIELCh	66, 88.452, 138.765
Yxy	35.2643, 0.2940, 0.5784
Android (android.graphics.Color)	4278237735 (0xFF00BA27)
YUV	113.6280, -36.7916, -99.6518
Hunter-Lab	59.3838, -50.0410, 33.7995

Details

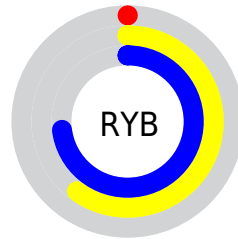
The XYZ color **17.9251, 35.2643, 7.7814** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **25.5167, 12.5460, 28.6792**, and the grayscale version is **16.0038, 16.8373, 18.3358**.

A 20% lighter version of the original color is **39.6076, 68.1985, 22.1424**, and **8.1163, 16.2326, 2.7054** is the 20% darker color. If you saturate the color by 10%, you get **17.9259, 35.2658, 7.7822**, and if you desaturate by 10%, it is **18.4794, 35.5173, 9.3355**.

Distribution



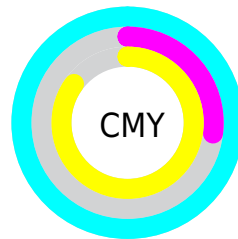
- Red (0%)
- Green (73%)
- Blue (15%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (79%)
- Black (27%)



- Cyan (100%)
- Magenta (27%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9251, 35.2643, 7.7814 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 17.9251, 35.2643, 7.7814 by changing the saturation by 10% instead.

■ 17.9251, 35.2643,
7.7814

■ 17.9251, 35.2643,
7.7814

■ 233.5023,
325.7334, 183.8773

■ 10.9956, 23.8665,
3.8696

■ 39.4407, 67.8950,
22.0678

■ 6.1311, 15.2346,
1.5541

■ 54.7576, 89.8967,
33.2796

■ 2.9664, 8.9842,
0.2577

■ 73.6009, 116.2019,
47.7617

■ 1.1360, 4.7309,
0.0000

■ 96.3361, 147.1950,
65.9328

■ 0.0549, 2.0903,
0.0000

■ 123.3284,
183.2602, 88.2113

■ 0.0000, 0.6591,
0.0000

■ 154.9434,

■ 0.0000, 0.0000,

224.7821, 115.0159

0.0000

191.5462,
272.1451, 146.7651

■ 17.9251, 35.2643,
7.7814

■ 17.9251, 35.2643,
7.7814

■ 17.9259, 35.2658,
7.7822

■ 18.4794, 35.5173,
9.3355

■ 19.3856, 35.9386,
11.4491

■ 20.7448, 36.5804,
14.1724

■ 22.6101, 37.4692,
17.5477

■ 25.0268, 38.6276,
21.6139

■ 28.0353, 40.0756,
26.4064

■ 31.6719, 41.8312,
31.9585

■ 35.9701, 43.9111,
38.3012

■ 40.9609, 46.3306,
45.4638

Harmonies

Analogous

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



26.0532, 35.2643, 2.5942



17.9251, 35.2643, 7.7814



14.3909, 35.2643, 25.9916

Triad

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



17.9251, 35.2643, 7.7814



28.8476, 35.2643, 161.4347



63.4559, 35.2643, 19.5583

Complementary

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



17.9251, 35.2643, 7.7814



25.5167, 12.5460, 28.6792

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.



64.7746, 35.2643, 54.2290



17.9251, 35.2643, 7.7814



42.2869, 35.2643, 155.1339

Square

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



17.9251, 35.2643, 7.7814



19.5101, 35.2643, 122.1547



56.2408, 35.2643, 108.2354



53.0035, 35.2643, 5.6922

Rectangle

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



17.9251, 35.2643, 7.7814



14.2839, 35.2643, 50.4661



56.2408, 35.2643, 108.2354



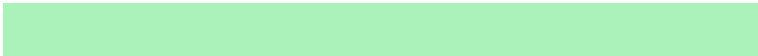
65.0675, 35.2643, 28.4238

Sweetspot

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



17.9259, 35.2658, 7.7822



57.0499, 75.6469, 57.3914



29.9181, 41.4903, 6.4316



11.9222, 16.3490, 11.6681



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



17.9259, 35.2658, 7.7822



32.4198, 63.8905, 13.7325



21.6025, 36.7364, 27.1426



8.9654, 10.0901, 9.9749



12.0823, 23.7339, 5.3554



0.4487, 0.8458, 0.3085

Inverse Universe

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



25.5167, 12.5460, 28.6792



46.1572, 22.7029, 51.4985



20.9595, 10.7231, 4.6810



9.2981, 9.1296, 10.9171



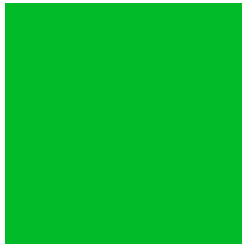
17.1941, 8.4514, 19.4409



0.6267, 0.3062, 0.7936

Previews

White Background



This preview shows how the XYZ color 17.9251, 35.2643, 7.7814 looks on a white background.

Color Contrast Check

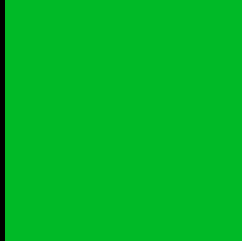
Large Text (above 18pt) WCAG AA × Fail

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 17.9251, 35.2643, 7.7814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

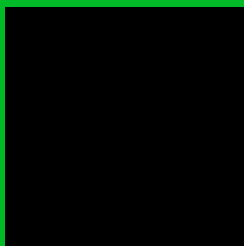
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 17.9251, 35.2643, 7.7814

Background



This preview shows how black text looks on a background with the XYZ color 17.9251, 35.2643, 7.7814.



This preview shows how white text looks on a background with the XYZ color 17.9251, 35.2643,

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

17.9251, 35.2643, 7.7814

Protanopia

31.2493, 34.4843, 6.3756

Deuteranopia

35.3094, 34.5512, 8.4225



Tritanopia

26.9738, 35.0528, 52.3579

Trichromacy



Original Color

17.9251, 35.2643, 7.7814



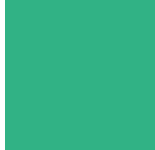
Protanomaly

21.4308, 32.0747, 6.6516



Deuteranomaly

22.5822, 31.2847, 7.7541



Tritanomaly

21.4207, 34.1872, 27.6601

Monochromacy



Original Color

17.9251, 35.2643, 7.7814



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

13.8460, 20.8608, 12.3136

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9251, 35.2643, 7.7814 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, 186, 39)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 39)  
}
```

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, 186, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 39) }
```

Border

The CSS property to change the border of an element to XYZ 17.9251, 35.2643, 7.7814 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, 186, 39) }
```


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

```
.border{ border-color:rgb(0, 186, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 186, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 39);  
box-shadow:4px 4px 4px 4px rgb(0, 186, 39)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.9251, 35.2643, 7.7814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 186, 39) }
```

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

```
.background{ background-color: rgb(0, 186,  
39) }
```

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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