

Converting Colors

XYZ(37.5165, 72.2748, 18.8106)

Have a look what the booklet for
XYZ(37.5165, 72.2748, 18.8106)
contains.

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Color

**XYZ(37.5165, 72.2748,
18.8106)**

Conversions

Conversions Part 1

Format	Color
Hex	1BFF4C
RGB	27, 255, 76
RGB Percent	11%, 100%, 30%
CMY	0.8941, 0.0000, 0.7019
CMYK	0.89, 0.00, 0.70, 0.00
HSL	133°, 100%, 55%
HSV	133°, 89%, 100%
XYZ	37.5165, 72.2748, 18.8106
YIQ	166.4220, -78.4290, -104.0050

Conversions

Conversions Part 2

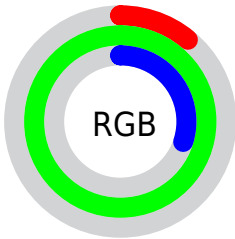
Format	Color
RYB	27, 215, 255
Decimal	1834828
CIELab	88.10, -81.94, 68.09
CIELCh	88, 106.538, 140.271
Yxy	72.2748, 0.2917, 0.5620
Android (android.graphics.Color)	4280024908 (0xFF1BFF4C)
YUV	166.4220, -44.5780, -122.2731
Hunter-Lab	85.0146, -70.0044, 46.3915

Details

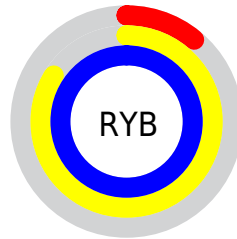
The XYZ color **37.5165, 72.2748, 18.8106** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **52.7721, 26.5000, 60.7238**, and the grayscale version is **36.6870, 38.5976, 42.0328**.

A 20% lighter version of the original color is **48.1620, 77.4244, 34.5963**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **36.4923, 71.8151, 15.6781**, and if you desaturate by 10%, it is **39.3147, 73.1085, 23.1118**.

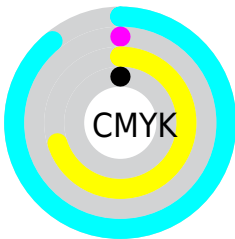
Distribution



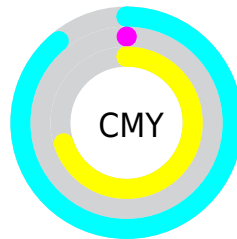
- Red (11%)
- Green (100%)
- Blue (30%)



- Red (11%)
- Yellow (84%)
- Blue (100%)



- Cyan (89%)
- Magenta (0%)
- Yellow (70%)
- Black (0%)



- Cyan (89%)
- Magenta (0%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5165, 72.2748, 18.8106 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 37.5165, 72.2748, 18.8106 by changing the saturation by 10% instead.

37.5165, 72.2748,
18.8106

37.5165, 72.2748,
18.8106

326.8581,
468.4975, 257.7890

25.7832, 53.3832,
11.3581

70.6751, 122.4471,
42.2462

16.7933, 38.1088,
6.1910

92.8311, 154.4967,
59.0664

10.1816, 26.0671,
2.8909

119.1921,
191.7009, 79.8463

5.5827, 16.8739,
1.0392

150.1233,
234.4444, 105.0043

2.6313, 10.1446,
0.0000

185.9902,
283.1113, 134.9590

0.9619, 5.4949,
0.0000

227.1580,

0.0000, 2.5405,

338.0863, 170.1290

0.0000

273.9922,
399.7535, 210.9328

■ 0.0000, 0.8968,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.5165, 72.2748,
18.8106

■ 37.5165, 72.2748,
18.8106

■ 36.4923, 71.8151,
15.6781


■ 39.3147, 73.1085,
23.1118

■ 36.4450, 71.7940,
15.5271


■ 42.0571, 74.4018,
28.6810


■ 45.8599, 76.2128,
35.6099

■ 50.8215, 78.5905,
43.9804

 57.0290, 81.5781,
53.8680

 64.5607, 85.2147,
65.3427

 73.4887, 89.5359,
78.4704

 83.8795, 94.5748,
93.3130

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



53.0984, 72.2748, 6.8501



37.5165, 72.2748, 18.8106



30.8731, 72.2748, 57.3101

Triad

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



37.5165, 72.2748, 18.8106



60.7537, 72.2748, 313.3804



125.5780, 72.2748, 39.4434

Complementary

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



37.5165, 72.2748, 18.8106



52.7721, 26.5000, 60.7238

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.



129.0892, 72.2748, 104.8305



37.5165, 72.2748, 18.8106



87.0808, 72.2748, 296.9339

Square

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



37.5165, 72.2748, 18.8106



41.9264, 72.2748, 243.1578



113.6171, 72.2748, 206.5420



104.9559, 72.2748, 12.6334

Rectangle

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



37.5165, 72.2748, 18.8106



30.9204, 72.2748, 106.4202



113.6171, 72.2748, 206.5420



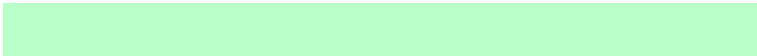
128.9667, 72.2748, 56.2591

Sweetspot

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



37.5168, 72.2749, 18.8118



66.5827, 86.1925, 68.3538



62.3658, 85.2130, 14.1978



13.6436, 18.1548, 13.7238



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



37.5168, 72.2749, 18.8118



36.4450, 71.7940, 15.5271



45.1390, 75.3238, 58.9498



17.9313, 20.2321, 19.9413



19.0875, 37.5316, 8.3458



1.8966, 3.6696, 1.0133

Inverse Universe

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



52.7721, 26.5000, 60.7238



51.6879, 25.4391, 56.9477



43.7159, 22.8775, 13.0342



18.6156, 18.2296, 21.8591



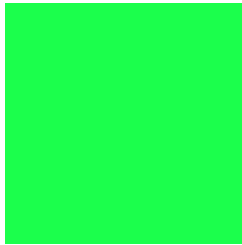
27.0655, 13.3155, 30.0588



2.6749, 1.3123, 3.1354

Previews

White Background



This preview shows how the XYZ color 37.5165, 72.2748, 18.8106 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 37.5165, 72.2748, 18.8106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

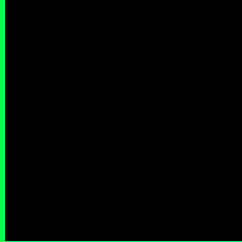
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

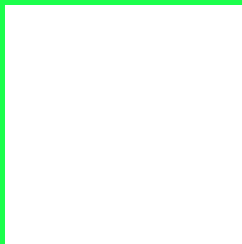
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.5165, 72.2748, 18.8106

Background



This preview shows how black text looks on a background with the XYZ color 37.5165, 72.2748, 18.8106.

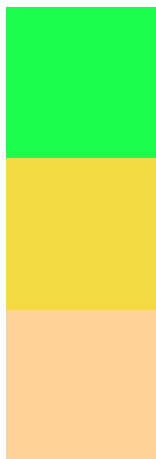


This preview shows how white text looks on a background with the XYZ color 37.5165, 72.2748,

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

37.5165, 72.2748, 18.8106

Protanopia

64.0008, 70.4808, 15.5411

Deuteranopia

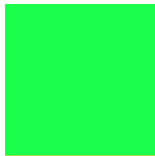
70.2885, 70.5490, 38.7669



Tritanopia

55.8054, 71.6399, 105.4944

Trichromacy



Original Color

37.5165, 72.2748, 18.8106



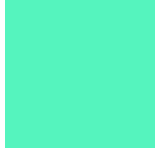
Protanomaly

45.6880, 66.2624, 16.1763



Deuteranomaly

48.3318, 65.6875, 28.8705



Tritanomaly

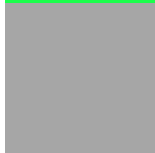
45.3913, 70.3504, 59.9018

Monochromacy



Original Color

37.5165, 72.2748, 18.8106



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

31.4980, 45.7265, 29.3563

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5165, 72.2748, 18.8106 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(27, 255, 76)` looks like.

```
.text, #text, p{  
    color:rgb(27, 255, 76)  
}
```

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(27, 255, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 255, 76) }
```

Border

The CSS property to change the border of an element to XYZ 37.5165, 72.2748, 18.8106 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(27, 255, 76) }
```


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

```
.border{ border-color:rgb(27, 255, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 255, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 255, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 255, 76);  
box-shadow:4px 4px 4px 4px rgb(27, 255,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5165, 72.2748, 18.8106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 255, 76) }
```

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

```
.background{ background-color: rgb(27, 255,  
76) }
```

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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