

Converting Colors

XYZ(36.8090, 72.0369, 13.0493)

Have a look what the booklet for
XYZ(36.8090, 72.0369, 13.0493)
contains.

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Color

**XYZ(36.8063, 72.0352,
13.0629)**

Conversions

Conversions Part 1

Format	Color
Hex	27FF1C
RGB	39, 255, 28
RGB Percent	15%, 100%, 11%
CMY	0.8471, 0.0000, 0.8901
CMYK	0.85, 0.00, 0.89, 0.00
HSL	117°, 100%, 55%
HSV	117°, 89%, 100%
XYZ	36.8063, 72.0352, 13.0629
YIQ	164.5380, -55.8690, -116.3890

Conversions

Conversions Part 2

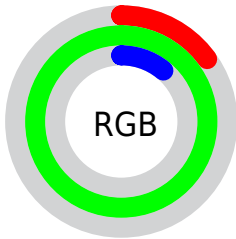
Format	Color
R _Y B	28, 255, 244
Decimal	2621212
CIE Lab	87.99, -83.77, 80.64
CIE LCh	88, 116.279, 136.089
Yxy	72.0352, 0.3019, 0.5909
Android (android.graphics.Color)	4280811292 (0xFF27FF1C)
YUV	164.5380, -67.3132, -110.0968
Hunter-Lab	84.8736, -71.1203, 50.2862

Details

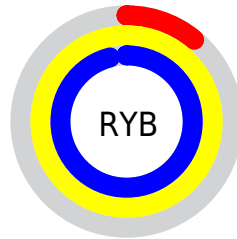
The XYZ color **36.8063, 72.0352, 13.0629** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark washed green. A complement of this color would be **55.7803, 27.2877, 96.9349**, and the grayscale version is **35.8750, 37.7433, 41.1024**.

A 20% lighter version of the original color is **47.1622, 77.1267, 24.7132**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **35.9665, 71.6249, 12.0017**, and if you desaturate by 10%, it is **38.4815, 72.8474, 15.4637**.

Distribution



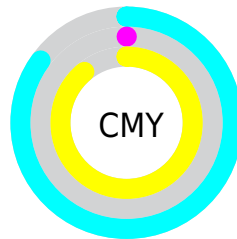
- Red (15%)
- Green (100%)
- Blue (11%)



- Red (11%)
- Yellow (100%)
- Blue (96%)



- Cyan (85%)
- Magenta (0%)
- Yellow (89%)
- Black (0%)





- Cyan (85%)
- Magenta (0%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8063, 72.0352, 13.0629 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 36.8063, 72.0352, 13.0629 by changing the saturation by 10% instead.


 36.8063, 72.0352,
13.0629


 36.8063, 72.0352,
13.0629


323.8413,
467.6641, 222.5424


 25.2305, 53.1874,
7.3406


 69.5905, 122.1066,
32.1096


 16.3785, 37.9524,
3.5944


 91.5297, 154.0990,
46.2711


 9.8850, 25.9458,
1.4056


 117.6541,
191.2417, 64.0827

 5.3844, 16.7831,
0.1461

 148.3290,
233.9191, 85.9631

 2.5116, 10.0799,
0.0000

 183.9199,
282.5157, 112.3307

 0.9011, 5.4520,
0.0000

 224.7919,

 0.0000, 2.5148,

337.4158, 143.6041

0.0000

271.3106,
399.0038, 180.2018

■ 0.0000, 0.8840,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.8063, 72.0352,
13.0629

■ 36.8063, 72.0352,
13.0629

■ 35.9665, 71.6249,
12.0017

■ 38.4815, 72.8474,
15.4637

■ 35.9164, 71.6006,
11.9273

■ 41.1523, 74.1367,
19.5414

■ 44.9416, 75.9616,
25.5285

■ 49.9543, 78.3719,
33.6198

■ 56.2835, 81.4117,
43.9865

■ 64.0129, 85.1212,
56.7819

■ 73.2195, 89.5369,
72.1462

■ 83.9747, 94.6927,
90.2089

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.



54.7364, 72.0352, 4.1971



36.8063, 72.0352, 13.0629



28.6750, 72.0352, 47.1674

Triad

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



36.8063, 72.0352, 13.0629



56.4385, 72.0352, 339.3947



133.4901, 72.0352, 43.2880

Complementary

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



36.8063, 72.0352, 13.0629



55.7803, 27.2877, 96.9349

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.



134.3097, 72.0352, 121.1429



36.8063, 72.0352, 13.0629



84.3216, 72.0352, 335.4246

Square

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



36.8063, 72.0352, 13.0629



37.7611, 72.0352, 247.7464



114.4777, 72.0352, 239.0228



112.4724, 72.0352, 11.8605

Rectangle

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



36.8063, 72.0352, 13.0629



27.9742, 72.0352, 95.7602



114.4777, 72.0352, 239.0228



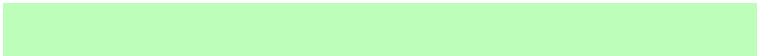
136.2976, 72.0352, 63.3351

Sweetspot

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



36.8065, 72.0353, 13.0640



65.7447, 85.9520, 59.6633



73.6956, 85.8354, 13.7835



13.4508, 18.0992, 11.7373



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.



36.8065, 72.0353, 13.0640



35.9164, 71.6006, 11.9273



40.2794, 73.3831, 33.2168



17.8528, 20.2100, 19.1043



18.8012, 37.4305, 6.2339



1.8579, 3.6586, 0.6082

Inverse Universe

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



55.7803, 27.2877, 96.9349



54.8959, 26.2147, 96.7744



47.3937, 24.3866, 32.2847



18.7007, 18.2530, 22.7875



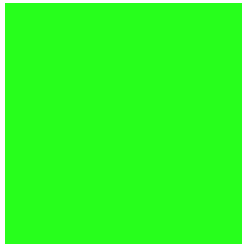
28.7222, 13.7173, 50.5685



2.8223, 1.3488, 4.9249

Previews

White Background



This preview shows how the XYZ color 36.8063, 72.0352, 13.0629 looks on a white background.

Color Contrast Check

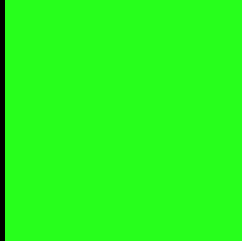
Large Text (above 18pt) WCAG AA × Fail

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 36.8063, 72.0352, 13.0629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

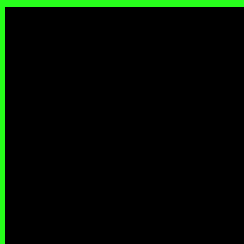
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.8063, 72.0352, 13.0629

Background



This preview shows how black text looks on a background with the XYZ color 36.8063, 72.0352, 13.0629.

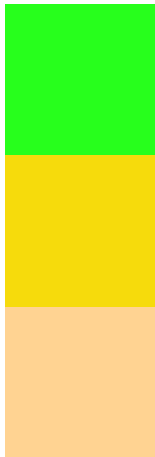


This preview shows how white text looks on a background with the XYZ color 36.8063, 72.0352,

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

36.8063, 72.0352, 13.0629

Protanopia

63.4039, 70.2824, 10.5719

Deuteranopia

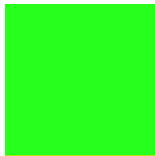
69.7226, 69.9239, 37.0160



Tritanopia

55.5167, 71.0625, 105.3981

Trichromacy



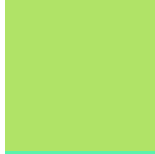
Original Color

36.8063, 72.0352, 13.0629



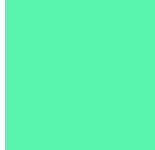
Protanomaly

45.7604, 66.4148, 10.9798



Deuteranomaly

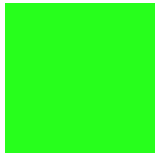
47.8218, 65.1475, 22.8862



Tritanomaly

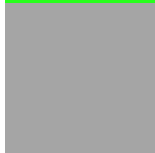
43.6168, 69.2036, 50.0885

Monochromacy



Original Color

36.8063, 72.0352, 13.0629



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

30.8963, 45.5479, 23.3829

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8063, 72.0352, 13.0629 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(39, 255, 28)` looks like.

```
.text, #text, p{  
    color:rgb(39, 255, 28)  
}
```

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(39, 255, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 255, 28) }
```

Border

The CSS property to change the border of an element to XYZ 36.8063, 72.0352, 13.0629 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(39, 255, 28) }
```


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

```
.border{ border-color:rgb(39, 255, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 255, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 255, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 255, 28);  
box-shadow:4px 4px 4px 4px rgb(39, 255,  
28) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8063, 72.0352, 13.0629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 255, 28) }
```

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

```
.background{ background-color: rgb(39, 255,  
28) }
```

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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