

Converting Colors

XYZ(37.5736, 72.4404, 12.6639)

Have a look what the booklet for
XYZ(37.5736, 72.4404, 12.6639)
contains.

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Color

**XYZ(37.5736, 72.4404,
12.6639)**

Conversions

Conversions Part 1

Format	Color
Hex	39FF14
RGB	57, 255, 20
RGB Percent	22%, 100%, 8%
CMY	0.7765, 0.0000, 0.9215
CMYK	0.78, 0.00, 0.92, 0.00
HSL	111°, 100%, 54%
HSV	111°, 92%, 100%
XYZ	37.5736, 72.4404, 12.6639
YIQ	169.0080, -42.5730, -115.0610

Conversions

Conversions Part 2

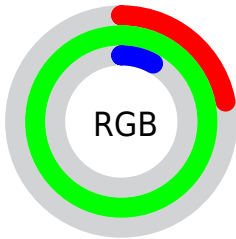
Format	Color
R_{YB}	20, 255, 218
Decimal	3800852
CIE _{Lab}	88.18, -82.09, 81.99
CIE _{LCh}	88, 116.028, 135.034
Yxy	72.4404, 0.3063, 0.5905
Android (android.graphics.Color)	4281990932 (0xFF39FF14)
YUV	169.0080, -73.4609, -98.2310
Hunter-Lab	85.1119, -70.1451, 50.7565

Details

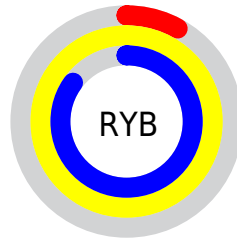
The XYZ color **37.5736, 72.4404, 12.6639** is a dark color, and the websafe version is hex **33FF00**, and the color name is **neon green**. The color can be described as dark washed green. A complement of this color would be **47.2216, 22.6305, 96.4870**, and the grayscale version is **38.0847, 40.0681, 43.6342**.

A 20% lighter version of the original color is **48.2811, 77.7202, 24.0121**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **36.6400, 71.9736, 11.9612**, and if you desaturate by 10%, it is **39.4257, 73.3539, 14.6167**.

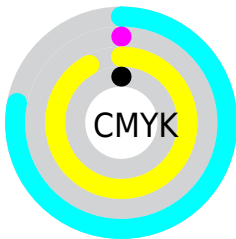
Distribution



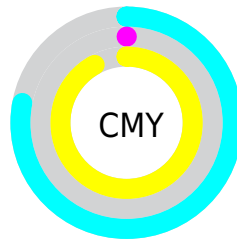
- Red (22%)
- Green (100%)
- Blue (8%)



- Red (8%)
- Yellow (100%)
- Blue (85%)



- Cyan (78%)
- Magenta (0%)
- Yellow (92%)
- Black (0%)




- Cyan (78%)
- Magenta (0%)
- Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.5736, 72.4404, 12.6639 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 37.5736, 72.4404, 12.6639 by changing the saturation by 10% instead.


 37.5736, 72.4404,
12.6639


 37.5736, 72.4404,
12.6639


327.0998,
469.0730, 219.8839


 25.8276, 53.5185,
7.0695


 70.7622, 122.6825,
31.3809

 16.8267, 38.2169,
3.4265


 92.9356, 154.7714,
45.3406


 10.2056, 26.1510,
1.3163


 119.3155,
192.0182, 62.9259

 5.5988, 16.9367,
0.0751

 150.2672,
234.8072, 84.5552

 2.6410, 10.1893,
0.0000

 186.1561,
283.5227, 110.6471

 0.9669, 5.5247,
0.0000

 227.3477,

 0.0000, 2.5583,

338.5493, 141.6202

0.0000

274.2071,
400.2713, 177.8929

■ 0.0000, 0.9057,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.5736, 72.4404,
12.6639

■ 37.5736, 72.4404,
12.6639

■ 36.6400, 71.9736,
11.9612

■ 39.4257, 73.3539,
14.6167

■ 42.1508, 74.6831,
18.1591

■ 45.8455, 76.4726,
23.5377

■ 50.5932, 78.7608,
30.9561

■ 56.4678, 81.5821,
40.5908

■ 63.5364, 84.9676,
52.5993

■ 71.8608, 88.9462,
67.1247

■ 81.4986, 93.5445,
84.2989

■ 92.5037, 98.7877,
104.2445

Harmonies

Analogous

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



55.9154, 72.4404, 4.1979



37.5736, 72.4404, 12.6639



29.0914, 72.4404, 45.6213

Triad

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



37.5736, 72.4404, 12.6639



55.9690, 72.4404, 337.8599



134.3287, 72.4404, 45.4990

Complementary

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



37.5736, 72.4404, 12.6639



47.2216, 22.6305, 96.4870

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.



134.3544, 72.4404, 125.2984



37.5736, 72.4404, 12.6639



83.6452, 72.4404, 337.7354

Square

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



37.5736, 72.4404, 12.6639



37.6037, 72.4404, 243.9775



113.9379, 72.4404, 243.7036



113.8748, 72.4404, 12.6258

Rectangle

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



37.5736, 72.4404, 12.6639



28.1973, 72.4404, 93.0626



113.9379, 72.4404, 243.7036



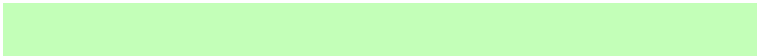
136.8754, 72.4404, 66.2085

Sweetspot

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



37.5738, 72.4404, 12.6650



66.8330, 86.5441, 58.3101



65.8807, 70.3391, 10.7675



13.5718, 18.1734, 11.2108



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.



37.5738, 72.4404, 12.6650



36.6400, 71.9736, 11.9612



38.2701, 72.5574, 23.6300



18.0377, 20.3053, 19.1130



19.2235, 37.6482, 6.2536



1.9449, 3.7034, 0.6123

Inverse Universe

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



47.2216, 22.6305, 96.4870



46.0374, 21.6481, 96.3598



49.3940, 24.9225, 43.6324



18.4954, 18.1471, 22.7779



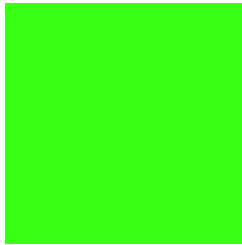
24.1609, 11.3659, 50.3550



2.4246, 1.1438, 4.9063

Previews

White Background



This preview shows how the XYZ color 37.5736, 72.4404, 12.6639 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 37.5736, 72.4404, 12.6639 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 37.5736, 72.4404, 12.6639

Background



This preview shows how black text looks on a background with the XYZ color 37.5736, 72.4404, 12.6639.



This preview shows how white text looks on a background with the XYZ color 37.5736, 72.4404,

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

37.5736, 72.4404, 12.6639

Protanopia

63.6893, 70.4372, 10.2390

Deuteranopia

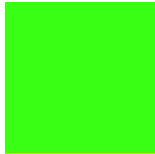
70.1288, 70.4851, 37.9258



Tritanopia

56.3576, 71.4960, 105.4375

Trichromacy



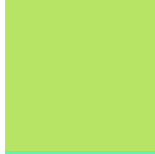
Original Color

37.5736, 72.4404, 12.6639



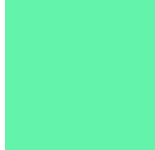
Protanomaly

47.2551, 67.1935, 10.6801



Deuteranomaly

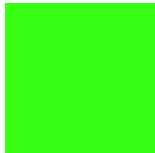
49.6208, 66.4937, 22.5312



Tritanomaly

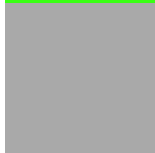
44.5618, 69.7128, 49.1375

Monochromacy



Original Color

37.5736, 72.4404, 12.6639



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

32.6509, 47.1356, 23.5968

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5736, 72.4404, 12.6639 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(57, 255, 20)` looks like.

```
.text, #text, p{  
    color:rgb(57, 255, 20)  
}
```

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(57, 255, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 255, 20) }
```

Border

The CSS property to change the border of an element to XYZ 37.5736, 72.4404, 12.6639 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(57, 255, 20) }
```


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

```
.border{ border-color:rgb(57, 255, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 255, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 255, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 255, 20);  
box-shadow:4px 4px 4px 4px rgb(57, 255,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5736, 72.4404, 12.6639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 255, 20) }
```

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

```
.background{ background-color: rgb(57, 255,  
20) }
```

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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