

Converting Colors

XYZ(37.5543, 72.4450, 12.0044)

Have a look what the booklet for
XYZ(37.5543, 72.4450, 12.0044)
contains.

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Color

**XYZ(37.5636, 72.4498,
12.0044)**

Conversions

Conversions Part 1

Format	Color
Hex	3BFF00
RGB	59, 255, 0
RGB Percent	23%, 100%, 0%
CMY	0.7686, 0.0000, 0.9998
CMYK	0.77, 0.00, 1.00, 0.00
HSL	106°, 100%, 50%
HSV	106°, 100%, 100%
XYZ	37.5636, 72.4498, 12.0044
YIQ	167.3260, -34.9610, -120.8570

Conversions

Conversions Part 2

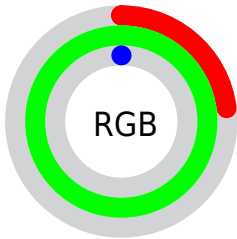
Format	Color
RYB	0, 255, 196
Decimal	3931904
CIELab	88.18, -82.14, 83.73
CIELCh	88, 117.295, 134.453
Yxy	72.4498, 0.3079, 0.5938
Android (android.graphics.Color)	4282121984 (0xFF3BFF00)
YUV	167.3260, -82.4917, -95.0019
Hunter-Lab	85.1174, -70.1808, 51.2203

Details

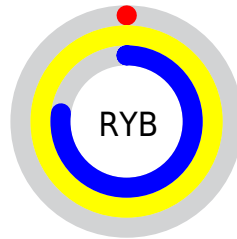
The XYZ color **37.5636, 72.4498, 12.0044** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **40.8258, 18.9620, 96.1160**, and the grayscale version is **37.2946, 39.2368, 42.7289**.

A 20% lighter version of the original color is **48.1730, 77.6960, 22.5831**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **37.5618, 72.4489, 12.0043**, and if you desaturate by 10%, it is **39.1328, 73.2378, 13.0243**.

Distribution



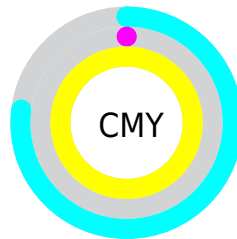
- Red (23%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (77%)



- Cyan (77%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (77%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.5636, 72.4498, 12.0044 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 37.5636, 72.4498, 12.0044 by changing the saturation by 10% instead.


 37.5636, 72.4498,
12.0044


 37.5636, 72.4498,
12.0044


327.0575,
469.1057, 215.4134

 25.8198, 53.5262,
6.6241


 70.7470, 122.6958,
30.1676

 16.8209, 38.2230,
3.1533


 92.9173, 154.7870,
43.7877


 10.2014, 26.1558,
1.1734


 119.2939,
192.0362, 60.9913

 5.5960, 16.9402,
0.0000

 150.2420,
234.8277, 82.1972

 2.6393, 10.1919,
0.0000

 186.1271,
283.5461, 107.8238

 0.9660, 5.5264,
0.0000

 227.3145,

 0.0000, 2.5593,

338.5756, 138.2896

0.0000

274.1695,
400.3007, 174.0133

■ 0.0000, 0.9062,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.5636, 72.4498,
12.0044

■ 37.5636, 72.4498,
12.0044

■ 37.5618, 72.4489,
12.0043

■ 39.1328, 73.2378,
13.0243

■ 41.4176, 74.3675,
15.3079

■ 44.5285, 75.8875,
19.2370

■ 48.5443, 77.8333,
25.0453

■ 53.5335, 80.2360,
32.9289

■ 59.5575, 83.1235,
43.0593

■ 66.6725, 86.5214,
55.5901

■ 74.9306, 90.4536,
70.6613

■ 84.3803, 94.9422,
88.4023

Harmonies

Analogous

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



56.2527, 72.4498, 3.9211



37.5636, 72.4498, 12.0044



28.8610, 72.4498, 44.2929

Triad

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



37.5636, 72.4498, 12.0044



55.3880, 72.4498, 341.0637



135.4421, 72.4498, 46.2601

Complementary

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



37.5636, 72.4498, 12.0044



40.8258, 18.9620, 96.1160

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.



135.0241, 72.4498, 127.9759



37.5636, 72.4498, 12.0044



83.2259, 72.4498, 343.0935

Square

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



37.5636, 72.4498, 12.0044



37.0796, 72.4498, 244.1446



113.9838, 72.4498, 248.6001



115.0057, 72.4498, 12.6087

Rectangle

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



37.5636, 72.4498, 12.0044



27.8584, 72.4498, 91.5031



113.9838, 72.4498, 248.6001



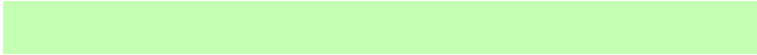
137.8816, 72.4498, 67.4847

Sweetspot

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



37.5638, 72.4499, 12.0055



66.6608, 86.5158, 55.5690



60.8696, 60.5188, 8.4743



13.5970, 18.1977, 10.6989



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.



37.5638, 72.4499, 12.0055



37.5618, 72.4489, 12.0043



36.8047, 71.9380, 17.4190



18.1646, 20.3708, 19.1189



19.7338, 37.9113, 6.2775



2.0122, 3.7381, 0.6155

Inverse Universe

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



40.8258, 18.9620, 96.1160



40.8230, 18.9599, 96.1158



50.2112, 24.8491, 49.1695



18.3578, 18.0762, 22.7714



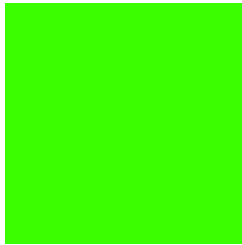
21.4683, 9.9778, 50.2290



2.1853, 1.0205, 4.8951

Previews

White Background



This preview shows how the XYZ color 37.5636, 72.4498, 12.0044 looks on a white background.

Color Contrast Check

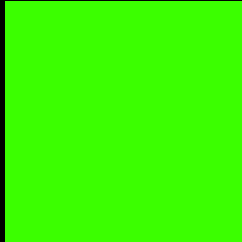
Large Text (above 18pt) WCAG AA × Fail

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 37.5636, 72.4498, 12.0044 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 37.5636, 72.4498, 12.0044

Background



This preview shows how black text looks on a background with the XYZ color 37.5636, 72.4498, 12.0044.



This preview shows how white text looks on a background with the XYZ color 37.5636, 72.4498,

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

37.5636, 72.4498, 12.0044

Protanopia

63.9510, 70.9606, 10.3262

Deuteranopia

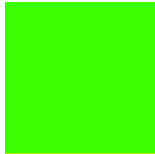
70.1288, 70.4851, 37.9258



Tritanopia

56.5029, 71.5709, 105.4443

Trichromacy



Original Color

37.5636, 72.4498, 12.0044



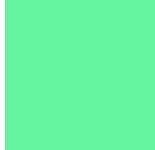
Protanomaly

47.7293, 67.8615, 10.5830



Deuteranomaly

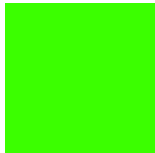
49.5309, 66.4853, 20.8121



Tritanomaly

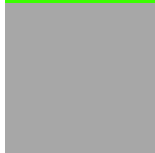
43.9390, 69.4765, 45.2769

Monochromacy



Original Color

37.5636, 72.4498, 12.0044



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

31.9270, 46.4766, 20.9238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5636, 72.4498, 12.0044 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(59, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(59, 255, 0)  
}
```

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(59, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 255, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.5636, 72.4498, 12.0044 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(59, 255, 0) }
```


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

```
.border{ border-color:rgb(59, 255, 0) }
```

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

Here you see how a box with a 4 pixel rgb(59, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(59, 255, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.5636, 72.4498, 12.0044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 255, 0) }
```

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

```
.background{ background-color: rgb(59, 255,  
0) }
```

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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