

Converting Colors

XYZ(37.5714, 72.4329, 12.9477)

Have a look what the booklet for
XYZ(37.5714, 72.4329, 12.9477)
contains.

XYZ(37.5664, 72.4309, 12.9203)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.5664, 72.4309,
12.9203)**

Conversions

Conversions Part 1

Format	Color
Hex	38FF19
RGB	56, 255, 25
RGB Percent	22%, 100%, 10%
CMY	0.7804, 0.0000, 0.9019
CMYK	0.78, 0.00, 0.90, 0.00
HSL	112°, 100%, 55%
HSV	112°, 90%, 100%
XYZ	37.5664, 72.4309, 12.9203
YIQ	169.2790, -44.7740, -113.7180

Conversions

Conversions Part 2

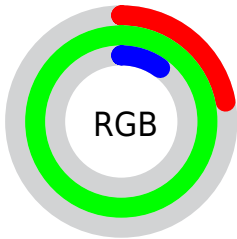
Format	Color
RYB	25, 255, 224
Decimal	3735321
CIELab	88.18, -82.10, 81.33
CIELCh	88, 115.563, 135.268
Yxy	72.4309, 0.3056, 0.5893
Android (android.graphics.Color)	4281925401 (0xFF38FF19)
YUV	169.2790, -71.1295, -99.3457
Hunter-Lab	85.1063, -70.1452, 50.5734

Details

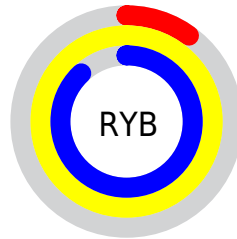
The XYZ color **37.5664, 72.4309, 12.9203** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark washed green. A complement of this color would be **49.1442, 23.7663, 96.6049**, and the grayscale version is **38.2093, 40.1992, 43.7769**.

A 20% lighter version of the original color is **48.3287, 77.7392, 24.2624**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **36.4314, 71.8661, 11.9514**, and if you desaturate by 10%, it is **39.4943, 73.3773, 15.1584**.

Distribution



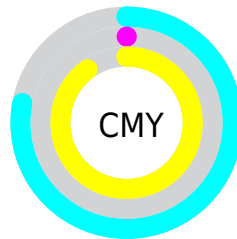
- Red (22%)
- Green (100%)
- Blue (10%)



- Red (10%)
- Yellow (100%)
- Blue (88%)



- Cyan (78%)
- Magenta (0%)
- Yellow (90%)
- Black (0%)





- Cyan (78%)
- Magenta (0%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.5664, 72.4309, 12.9203 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 37.5664, 72.4309, 12.9203 by changing the saturation by 10% instead.


 37.5664, 72.4309,
12.9203


 37.5664, 72.4309,
12.9203


327.0694,
469.0400, 221.5961


 25.8220, 53.5107,
7.2436


 70.7512, 122.6690,
31.8496

 16.8225, 38.2107,
3.5342


 92.9224, 154.7557,
45.9393


 10.2025, 26.1462,
1.3734


 119.2999,
192.0000, 63.6704

 5.5968, 16.9331,
0.1209

 150.2490,
234.7864, 85.4615

 2.6398, 10.1868,
0.0000

 186.1352,
283.4991, 111.7310

 0.9663, 5.5230,
0.0000

 227.3238,

 0.0000, 2.5573,

338.5228, 142.8976

0.0000

274.1800,
400.2416, 179.3798

■ 0.0000, 0.9052,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.5664, 72.4309,
12.9203

■ 37.5664, 72.4309,
12.9203

■ 36.4314, 71.8661,
11.9514

■ 39.4943, 73.3773,
15.1584

■ 42.3352, 74.7589,
19.0397

■ 46.1883, 76.6217,
24.8009

■ 51.1392, 79.0056,
32.6397

■ 57.2644, 81.9463,
42.7285

■ 64.6332, 85.4761,
55.2219

■ 73.3096, 89.6251,
70.2607

■ 83.3533, 94.4211,
87.9751

94.8200, 99.8904,
108.4861

Harmonies

Analogous

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



55.7737, 72.4309, 4.3039



37.5664, 72.4309, 12.9203



29.1713, 72.4309, 46.1424

Triad

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



37.5664, 72.4309, 12.9203



56.1920, 72.4309, 336.6948



133.9044, 72.4309, 45.1872

Complementary

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



37.5664, 72.4309, 12.9203



49.1442, 23.7663, 96.6049

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.



134.1050, 72.4309, 124.2550



37.5664, 72.4309, 12.9203



83.8102, 72.4309, 335.7262

Square

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



37.5664, 72.4309, 12.9203



37.8016, 72.4309, 243.9662



113.9277, 72.4309, 241.8356



113.4367, 72.4309, 12.6213

Rectangle

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



37.5664, 72.4309, 12.9203



28.3206, 72.4309, 93.6829



113.9277, 72.4309, 241.8356



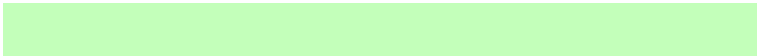
136.4943, 72.4309, 65.6981

Sweetspot

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



37.5667, 72.4311, 12.9215



67.2546, 86.7304, 59.7340



67.1411, 72.7811, 11.4303



13.7955, 18.2769, 11.7534



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.



37.5667, 72.4311, 12.9215



36.4314, 71.8661, 11.9514



38.7376, 72.7574, 25.5051



17.9990, 20.2854, 19.1112



19.1054, 37.5873, 6.2481



1.9268, 3.6941, 0.6115

Inverse Universe

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



49.1442, 23.7663, 96.6049



47.7616, 22.5369, 96.4405



49.2776, 25.0319, 42.5384



18.5378, 18.1690, 22.7799



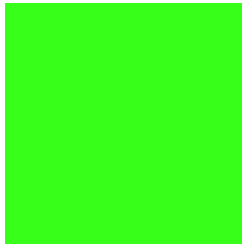
25.0498, 11.8241, 50.3966



2.5027, 1.1841, 4.9099

Previews

White Background



This preview shows how the XYZ color 37.5664, 72.4309, 12.9203 looks on a white background.

Color Contrast Check

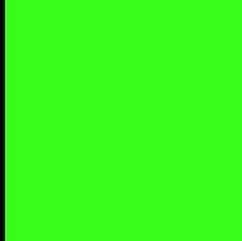
Large Text (above 18pt) WCAG AA × Fail

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 37.5664, 72.4309, 12.9203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

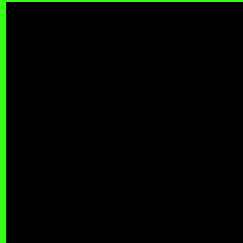
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.5664, 72.4309, 12.9203

Background



This preview shows how black text looks on a background with the XYZ color 37.5664, 72.4309, 12.9203.



This preview shows how white text looks on a background with the XYZ color 37.5664, 72.4309,

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

37.5664, 72.4309, 12.9203

Protanopia

63.6893, 70.4372, 10.2390

Deuteranopia

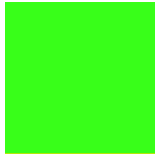
70.1288, 70.4851, 37.9258



Tritanopia

56.3576, 71.4960, 105.4375

Trichromacy



Original Color

37.5664, 72.4309, 12.9203



Protanomaly

47.2660, 67.1979, 10.7378



Deuteranomaly

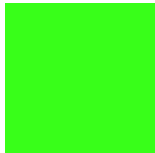
49.7200, 66.5334, 23.0537



Tritanomaly

44.5469, 69.6941, 49.6325

Monochromacy



Original Color

37.5664, 72.4309, 12.9203



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

32.7672, 47.1821, 24.2097

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5664, 72.4309, 12.9203 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(56, 255, 25)` looks like.

```
.text, #text, p{  
    color:rgb(56, 255, 25)  
}
```

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(56, 255, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 255, 25) }
```

Border

The CSS property to change the border of an element to XYZ 37.5664, 72.4309, 12.9203 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(56, 255, 25) }
```


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

```
.border{ border-color:rgb(56, 255, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 255, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 255, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 255, 25);  
box-shadow:4px 4px 4px 4px rgb(56, 255,  
25) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5664, 72.4309, 12.9203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 255, 25) }
```

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

```
.background{ background-color: rgb(56, 255,  
25) }
```

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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