

Converting Colors

XYZ(37.1846, 72.2418, 12.5565)

Have a look what the booklet for
XYZ(37.1846, 72.2418, 12.5565)
contains.

XYZ(37.1846, 72.2418, 12.5565)	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(37.1846, 72.2418,
12.5565)**

Conversions

Conversions Part 1

Format	Color
Hex	32FF12
RGB	50, 255, 18
RGB Percent	20%, 100%, 7%
CMY	0.8039, 0.0000, 0.9293
CMYK	0.80, 0.00, 0.93, 0.00
HSL	112°, 100%, 54%
HSV	112°, 93%, 100%
XYZ	37.1846, 72.2418, 12.5565
YIQ	166.6870, -46.1030, -117.1670

Conversions

Conversions Part 2

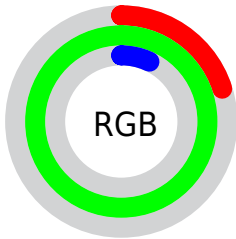
Format	Color
R _Y B	18, 255, 223
Decimal	3342098
CIE Lab	88.08, -82.95, 82.11
CIE LCh	88, 116.717, 135.293
Yxy	72.2418, 0.3048, 0.5922
Android (android.graphics.Color)	4281532178 (0xFF32FF12)
YUV	166.6870, -73.3027, -102.3345
Hunter-Lab	84.9952, -70.6495, 50.7376

Details

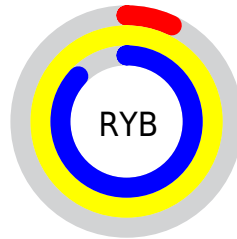
The XYZ color **37.1846, 72.2418, 12.5565** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark washed green. A complement of this color would be **48.7061, 23.3456, 96.5468**, and the grayscale version is **36.9413, 38.8652, 42.3242**.

A 20% lighter version of the original color is **47.7492, 77.4514, 23.7422**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **36.4332, 71.8670, 11.9515**, and if you desaturate by 10%, it is **38.8827, 73.0783, 14.3927**.

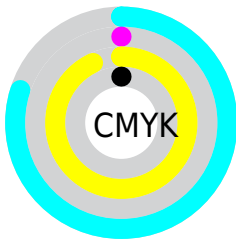
Distribution



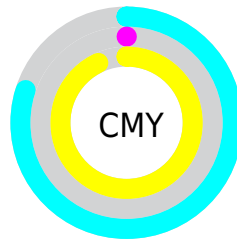
- Red (20%)
- Green (100%)
- Blue (7%)



- Red (7%)
- Yellow (100%)
- Blue (87%)



- Cyan (80%)
- Magenta (0%)
- Yellow (93%)
- Black (0%)




- Cyan (80%)
- Magenta (0%)
- Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1846, 72.2418, 12.5565 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 37.1846, 72.2418, 12.5565 by changing the saturation by 10% instead.


 37.1846, 72.2418,
12.5565


 37.1846, 72.2418,
12.5565


325.4507,
468.3828, 219.1625

 25.5248, 53.3562,
6.9968


 70.1686, 122.4002,
31.1841

 16.5993, 38.0872,
3.3817


 92.2235, 154.4419,
45.0890


 10.0427, 26.0504,
1.2927


 118.4741,
191.6377, 62.6128

 5.4898, 16.8613,
0.0558

 149.2858,
234.3721, 84.1739

 2.5751, 10.1357,
0.0000

 185.0240,
283.0293, 110.1908

 0.9333, 5.4890,
0.0000

 226.0540,

 0.0000, 2.5369,

337.9940, 141.0822

0.0000

272.7411,
399.6503, 177.2666

■ 0.0000, 0.8951,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.1846, 72.2418,
12.5565

■ 37.1846, 72.2418,
12.5565

■ 36.4332, 71.8670,
11.9515

■ 38.8827, 73.0783,
14.3927

■ 41.4633, 74.3360,
17.7974

■ 45.0303, 76.0629,
23.0222

■ 49.6724, 78.3003,
30.2731

■ 55.4682, 81.0849,
39.7288

■ 62.4889, 84.4498,
51.5482

■ 70.7998, 88.4258,
65.8755

■ 80.4616, 93.0410,
82.8437

■ 91.5311, 98.3223,
102.5760

Harmonies

Analogous

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



55.4764, 72.2418, 4.0703



37.1846, 72.2418, 12.5565



28.7787, 72.2418, 45.7754

Triad

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



37.1846, 72.2418, 12.5565



55.9377, 72.2418, 340.0772



134.4125, 72.2418, 44.7249

Complementary

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



37.1846, 72.2418, 12.5565



48.7061, 23.3456, 96.5468

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.



134.6349, 72.2418, 124.4093



37.1846, 72.2418, 12.5565



83.7908, 72.2418, 338.9983

Square

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



37.1846, 72.2418, 12.5565



37.4431, 72.2418, 245.9284



114.2272, 72.2418, 243.5588



113.6831, 72.2418, 12.2322

Rectangle

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



37.1846, 72.2418, 12.5565



27.9319, 72.2418, 93.6851



114.2272, 72.2418, 243.5588



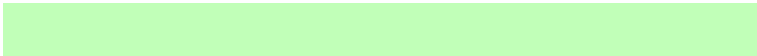
137.0415, 72.2418, 65.3322

Sweetspot

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



37.1848, 72.2419, 12.5576



66.4218, 86.3321, 58.2908



66.7995, 72.2040, 10.9894



13.4766, 18.1243, 11.2064



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.



37.1848, 72.2419, 12.5576



36.4332, 71.8670, 11.9515



38.3573, 72.5878, 24.2927



17.9994, 20.2856, 19.1112



19.1064, 37.5878, 6.2482



1.9270, 3.6942, 0.6115

Inverse Universe

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



48.7061, 23.3456, 96.5468



47.7452, 22.5284, 96.4397



48.9088, 24.6743, 41.2444



18.5374, 18.1688, 22.7798



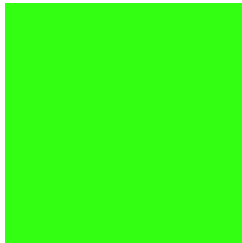
25.0413, 11.8198, 50.3962



2.5020, 1.1837, 4.9099

Previews

White Background



This preview shows how the XYZ color 37.1846, 72.2418, 12.5565 looks on a white background.

Color Contrast Check

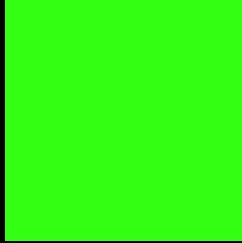
Large Text (above 18pt) WCAG AA × Fail

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 37.1846, 72.2418, 12.5565 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 37.1846, 72.2418, 12.5565

Background



This preview shows how black text looks on a background with the XYZ color 37.1846, 72.2418, 12.5565.



This preview shows how white text looks on a background with the XYZ color 37.1846, 72.2418,

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

37.1846, 72.2418, 12.5565

Protanopia

63.6893, 70.4372, 10.2390

Deuteranopia

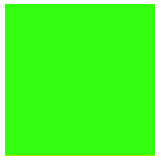
70.0499, 70.4536, 37.5106



Tritanopia

55.9306, 71.2759, 105.4175

Trichromacy



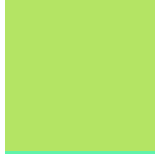
Original Color

37.1846, 72.2418, 12.5565



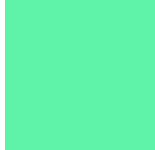
Protanomaly

46.5742, 66.8425, 10.6482



Deuteranomaly

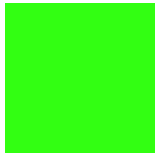
48.8660, 66.1102, 22.2416



Tritanomaly

43.9313, 69.3987, 48.6160

Monochromacy



Original Color

37.1846, 72.2418, 12.5565



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

31.7162, 46.3242, 22.8926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1846, 72.2418, 12.5565 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(50, 255, 18)` looks like.

```
.text, #text, p{  
    color:rgb(50, 255, 18)  
}
```

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(50, 255, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 255, 18) }
```

Border

The CSS property to change the border of an element to XYZ 37.1846, 72.2418, 12.5565 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(50, 255, 18) }
```


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

```
.border{ border-color:rgb(50, 255, 18) }
```

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

Here you see how a box with a 4 pixel rgb(50, 255, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 255, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 255, 18);  
box-shadow:4px 4px 4px 4px rgb(50, 255,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1846, 72.2418, 12.5565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 255, 18) }
```

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

```
.background{ background-color: rgb(50, 255,  
18) }
```

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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