

Converting Colors

XYZ(38.3538, 72.5865, 24.2709)

Have a look what the booklet for
XYZ(38.3538, 72.5865, 24.2709)
contains.

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Color

**XYZ(38.3584, 72.5882,
24.3011)**

Conversions

Conversions Part 1

Format	Color
Hex	12FF65
RGB	18, 255, 101
RGB Percent	7%, 100%, 40%
CMY	0.9294, 0.0000, 0.6039
CMYK	0.93, 0.00, 0.60, 0.00
HSL	141°, 100%, 54%
HSV	141°, 93%, 100%
XYZ	38.3584, 72.5882, 24.3011
YIQ	166.5810, -91.8180, -98.1380

Conversions

Conversions Part 2

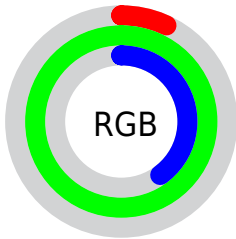
Format	Color
RYB	18, 194, 255
Decimal	1245029
CIELab	88.25, -79.86, 58.43
CIELCh	88, 98.952, 143.810
Yxy	72.5882, 0.2836, 0.5367
Android (android.graphics.Color)	4279435109 (0xFF12FF65)
YUV	166.5810, -32.3314, -130.3055
Hunter-Lab	85.1987, -68.7330, 42.7279

Details

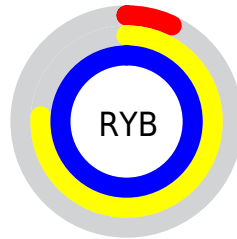
The XYZ color **38.3584, 72.5882, 24.3011** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark washed spring green. A complement of this color would be **48.9029, 24.6714, 41.2148**, and the grayscale version is **36.7116, 38.6235, 42.0610**.

A 20% lighter version of the original color is **49.3685, 77.8422, 43.8756**, and **20.1946, 39.6617, 8.9740** is the 20% darker color. If you saturate the color by 10%, you get **37.5760, 72.2464, 21.4829**, and if you desaturate by 10%, it is **40.0223, 73.3425, 29.0542**.

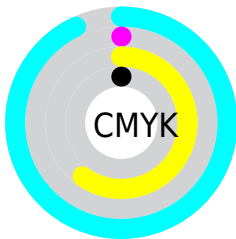
Distribution



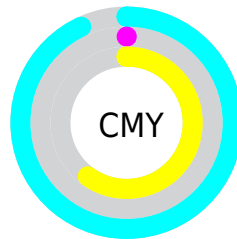
- Red (7%)
- Green (100%)
- Blue (40%)



- Red (7%)
- Yellow (76%)
- Blue (100%)



- Cyan (93%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (93%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.3584, 72.5882, 24.3011 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 38.3584, 72.5882, 24.3011 by changing the saturation by 10% instead.


 38.3584, 72.5882,
24.3011


 38.3584, 72.5882,
24.3011


330.4093,
469.5863, 287.6747


 26.4394, 53.6393,
15.3429


 71.9575, 122.8924,
51.4711


 17.2871, 38.3134,
8.9111


 94.3684, 155.0166,
70.5199


 10.5360, 26.2260,
4.5872


 121.0072,
192.3012, 93.7694

 5.8207, 16.9928,
1.9527

 152.2395,
235.1308, 121.6379

 2.7760, 10.2293,
0.5260

 188.4304,
283.8897, 154.5442

 1.0364, 5.5513,
0.0000

229.9455,

 0.0000, 2.5742,

338.9623, 192.9068

0.0000

277.1500,
400.7331, 237.1440

■ 0.0000, 0.9137,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.3584, 72.5882,
24.3011

■ 38.3584, 72.5882,
24.3011

■ 37.5760, 72.2464,
21.4829


■ 40.0223, 73.3425,
29.0542


■ 42.5277, 74.5106,
34.7473


■ 45.9907, 76.1515,
41.4308


■ 50.5077, 78.3139,
49.1503

 56.1625, 81.0402,
57.9483

 63.0304, 84.3684,
67.8649

 71.1798, 88.3329,
78.9379

 80.6740, 92.9657,
91.2035

 91.5719, 98.2964,
104.6962

Harmonies

Analogous

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



52.1798, 72.5882, 9.6641



38.3584, 72.5882, 24.3011



32.8765, 72.5882, 65.7813

Triad

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



38.3584, 72.5882, 24.3011



64.1945, 72.5882, 292.7903



119.6567, 72.5882, 37.1831

Complementary

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



38.3584, 72.5882, 24.3011



48.9029, 24.6714, 41.2148

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.



124.9492, 72.5882, 93.9619



38.3584, 72.5882, 24.3011



89.0776, 72.5882, 268.7050

Square

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



38.3584, 72.5882, 24.3011



45.4284, 72.5882, 238.1238



112.7023, 72.5882, 183.8783



99.5558, 72.5882, 13.5624

Rectangle

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



38.3584, 72.5882, 24.3011



33.5224, 72.5882, 114.4698



112.7023, 72.5882, 183.8783



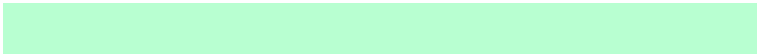
123.3928, 72.5882, 51.7922

Sweetspot

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



38.3587, 72.5883, 24.3023



66.8913, 86.2449, 73.1871



52.8939, 80.3402, 13.2919



13.5917, 18.1072, 14.6664



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.



38.3587, 72.5883, 24.3023



37.5760, 72.2464, 21.4829



48.8552, 76.7869, 79.5758



18.0342, 20.2732, 20.4832



19.6978, 37.7757, 11.5601



1.9673, 3.6979, 1.3857

Inverse Universe

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



48.9029, 24.6714, 41.2148



48.0950, 24.0020, 38.0279



42.1118, 21.9550, 5.4536



18.5066, 18.1860, 21.2851



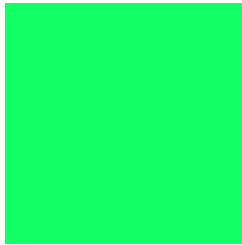
25.2041, 12.5709, 20.2569



2.5058, 1.2447, 2.2450

Previews

White Background



This preview shows how the XYZ color 38.3584, 72.5882, 24.3011 looks on a white background.

Color Contrast Check

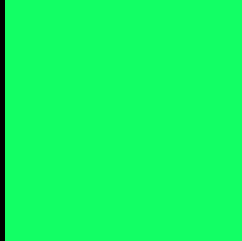
Large Text (above 18pt) WCAG AA × Fail

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 38.3584, 72.5882, 24.3011 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 38.3584, 72.5882, 24.3011

Background



This preview shows how black text looks on a background with the XYZ color 38.3584, 72.5882, 24.3011.

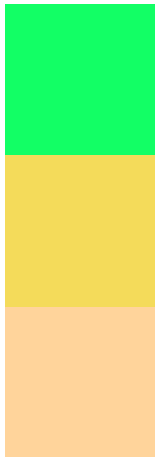


This preview shows how white text looks on a background with the XYZ color 38.3584, 72.5882,

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

38.3584, 72.5882, 24.3011

Protanopia

64.4852, 70.6343, 19.9079

Deuteranopia

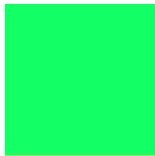
70.6999, 70.7135, 40.9331



Tritanopia

56.0799, 71.7814, 105.5072

Trichromacy



Original Color

38.3584, 72.5882, 24.3011



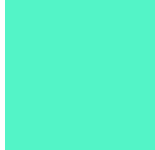
Protanomaly

45.7773, 66.2028, 20.9554



Deuteranomaly

48.4788, 65.6711, 33.0424



Tritanomaly

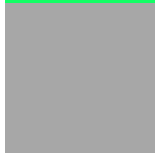
46.2268, 70.6639, 65.2359

Monochromacy



Original Color

38.3584, 72.5882, 24.3011



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

32.1914, 46.3407, 33.2346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3584, 72.5882, 24.3011 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(18, 255, 101)` looks like.

```
.text, #text, p{  
    color:rgb(18, 255, 101)  
}
```

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(18, 255, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 255, 101) }
```

Border

The CSS property to change the border of an element to XYZ 38.3584, 72.5882, 24.3011 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(18, 255, 101) }
```


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

```
.border{ border-color:rgb(18, 255, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 255, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 255, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 255, 101);  
box-shadow:4px 4px 4px 4px rgb(18, 255,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3584, 72.5882, 24.3011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 255, 101) }
```

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

```
.background{ background-color: rgb(18, 255,  
101) }
```

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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