

Converting Colors

XYZ(38.5635, 72.6706, 25.3635)

Have a look what the booklet for
XYZ(38.5635, 72.6706, 25.3635)
contains.

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Color

**XYZ(38.5593, 72.6685,
25.3588)**

Conversions

Conversions Part 1

Format	Color
Hex	12FF69
RGB	18, 255, 105
RGB Percent	7%, 100%, 41%
CMY	0.9294, 0.0000, 0.5882
CMYK	0.93, 0.00, 0.59, 0.00
HSL	142°, 100%, 54%
HSV	142°, 93%, 100%
XYZ	38.5593, 72.6685, 25.3588
YIQ	167.0370, -93.1020, -96.8940

Conversions

Conversions Part 2

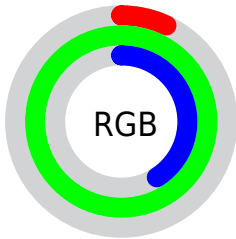
Format	Color
RYB	18, 191, 255
Decimal	1245033
CIELab	88.29, -79.38, 56.76
CIELCh	88, 97.586, 144.435
Yxy	72.6685, 0.2823, 0.5320
Android (android.graphics.Color)	4279435113 (0xFF12FF69)
YUV	167.0370, -30.5842, -130.7054
Hunter-Lab	85.2458, -68.4392, 42.0346

Details

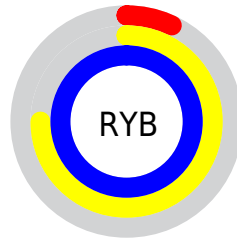
The XYZ color **38.5593, 72.6685, 25.3588** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark washed spring green. A complement of this color would be **48.5249, 24.5203, 39.2239**, and the grayscale version is **36.9270, 38.8500, 42.3077**.

A 20% lighter version of the original color is **49.7129, 77.9800, 45.6892**, and **20.3157, 39.7101, 9.6117** is the 20% darker color. If you saturate the color by 10%, you get **37.7627, 72.3211, 22.4662**, and if you desaturate by 10%, it is **40.2378, 73.4287, 30.1879**.

Distribution



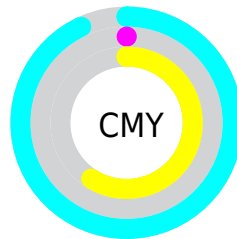
- Red (7%)
- Green (100%)
- Blue (41%)



- Red (7%)
- Yellow (75%)
- Blue (100%)



- Cyan (93%)
- Magenta (0%)
- Yellow (59%)
- Black (0%)





- Cyan (93%)
- Magenta (0%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5593, 72.6685, 25.3588 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 38.5593, 72.6685, 25.3588 by changing the saturation by 10% instead.


 38.5593, 72.6685,
25.3588


 38.5593, 72.6685,
25.3588


331.2527,
469.8651, 293.1248


 26.5962, 53.7049,
16.1231


 72.2630, 123.0065,
53.2100

 17.4052, 38.3658,
9.4560


 94.7343, 155.1497,
72.6627


 10.6209, 26.2667,
4.9390


 121.4391,
192.4549, 96.3580

 5.8780, 17.0233,
2.1534

 152.7428,
235.3066, 124.7147

 2.8110, 10.2511,
0.6473

 189.0106,
284.0890, 158.1511

 1.0546, 5.5658,
0.0000

230.6079,

 0.0000, 2.5829,

339.1867, 197.0859

0.0000

277.9002,
400.9839, 241.9376

■ 0.0000, 0.9181,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.5593, 72.6685,
25.3588

■ 38.5593, 72.6685,
25.3588

■ 37.7627, 72.3211,
22.4662

■ 40.2378, 73.4287,
30.1879

■ 42.7507, 74.5999,
35.9197

■ 46.2134, 76.2407,
42.6007

■ 50.7215, 78.3996,
50.2728

■ 56.3584, 81.1187,
58.9754

■ 63.1987, 84.4358,
68.7455

■ 71.3103, 88.3853,
79.6181

■ 80.7559, 92.9987,
91.6267

■ 91.5941, 98.3055,
104.8034

Harmonies

Analogous

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



52.0825, 72.6685, 10.2443



38.5593, 72.6685, 25.3588



33.2755, 72.6685, 67.2776

Triad

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



38.5593, 72.6685, 25.3588



64.7986, 72.6685, 289.0717



118.6497, 72.6685, 36.9013

Complementary

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



38.5593, 72.6685, 25.3588



48.5249, 24.5203, 39.2239

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.



124.2095, 72.6685, 92.2845



38.5593, 72.6685, 25.3588



89.3980, 72.6685, 263.9073

Square

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



38.5593, 72.6685, 25.3588



46.0710, 72.6685, 236.9917



112.5027, 72.6685, 180.1913



98.6742, 72.6685, 13.7854

Rectangle

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



38.5593, 72.6685, 25.3588



34.0235, 72.6685, 115.7794



112.5027, 72.6685, 180.1913



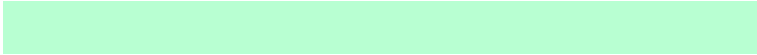
122.4314, 72.6685, 51.1578

Sweetspot

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



38.5597, 72.6687, 25.3600



67.0406, 86.3047, 73.9735



52.0398, 79.8999, 13.2522



13.6270, 18.1213, 14.8521



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.



38.5597, 72.6687, 25.3600



37.7627, 72.3211, 22.4662



49.3831, 76.9981, 82.3555



18.0472, 20.2784, 20.5515



19.7973, 37.8155, 12.0839



1.9780, 3.7021, 1.4422

Inverse Universe

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



48.5249, 24.5203, 39.2239



47.7079, 23.8472, 35.9894



42.0238, 21.9199, 4.9896



18.4932, 18.1806, 21.2143



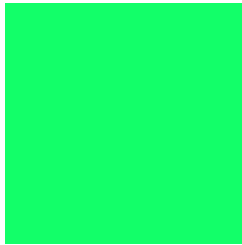
25.0028, 12.4904, 19.1970



2.4871, 1.2372, 2.1464

Previews

White Background



This preview shows how the XYZ color 38.5593, 72.6685, 25.3588 looks on a white background.

Color Contrast Check

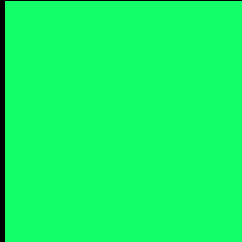
Large Text (above 18pt) WCAG AA × Fail

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 38.5593, 72.6685, 25.3588 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 38.5593, 72.6685, 25.3588

Background



This preview shows how black text looks on a background with the XYZ color 38.5593, 72.6685, 25.3588.

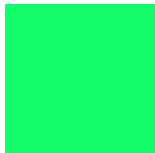


This preview shows how white text looks on a background with the XYZ color 38.5593, 72.6685,

Color Blindness Simulation

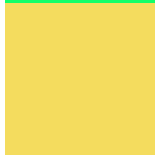
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

38.5593, 72.6685, 25.3588



Protanopia

64.9218, 71.2276, 20.9162



Deuteranopia

70.8693, 70.7813, 41.8252



Tritanopia

56.2193, 71.8533, 105.5137

Trichromacy



Original Color

38.5593, 72.6685, 25.3588



Protanomaly

46.2438, 66.8411, 22.0196



Deuteranomaly

48.6930, 65.7568, 34.1707



Tritanomaly

46.4322, 70.7563, 65.8537

Monochromacy



Original Color

38.5593, 72.6685, 25.3588



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

32.2675, 46.3712, 33.6354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5593, 72.6685, 25.3588 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, 105)` looks like.

```
.text, #text, p{  
    color:rgb(18, 255, 105)  
}
```

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, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 255, 105) }
```

Border

The CSS property to change the border of an element to XYZ 38.5593, 72.6685, 25.3588 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, 105) }
```


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

```
.border{ border-color:rgb(18, 255, 105) }
```

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, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 255, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 255, 105);  
box-shadow:4px 4px 4px 4px rgb(18, 255,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5593, 72.6685, 25.3588 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, 105) }
```

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

```
.background{ background-color: rgb(18, 255,  
105) }
```

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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