

Converting Colors

XYZ(38.0368, 72.4541, 22.8555)

Have a look what the booklet for
XYZ(38.0368, 72.4541, 22.8555)
contains.

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Color

**XYZ(38.0226, 72.4478,
22.8063)**

Conversions

Conversions Part 1

Format	Color
Hex	0FFF5F
RGB	15, 255, 95
RGB Percent	6%, 100%, 37%
CMY	0.9411, 0.0000, 0.6274
CMYK	0.94, 0.00, 0.63, 0.00
HSL	140°, 100%, 53%
HSV	140°, 94%, 100%
XYZ	38.0226, 72.4478, 22.8063
YIQ	165.0000, -91.6800, -100.6400

Conversions

Conversions Part 2

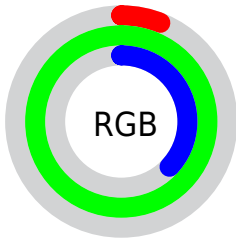
Format	Color
RYB	15, 195, 255
Decimal	1048415
CIELab	88.18, -80.65, 60.85
CIELCh	88, 101.033, 142.966
Yxy	72.4478, 0.2853, 0.5436
Android (android.graphics.Color)	4279238495 (0xFF0FFF5F)
YUV	165.0000, -34.5100, -131.5500
Hunter-Lab	85.1163, -69.2151, 43.6951

Details

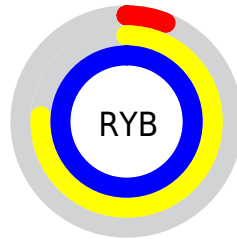
The XYZ color **38.0226, 72.4478, 22.8063** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated green. A complement of this color would be **49.1492, 24.6972, 42.7362**, and the grayscale version is **35.9574, 37.8300, 41.1968**.

A 20% lighter version of the original color is **48.9537, 77.6763, 41.6911**, and **20.0584, 39.6072, 8.2568** is the 20% darker color. If you saturate the color by 10%, you get **37.3996, 72.1759, 20.5542**, and if you desaturate by 10%, it is **39.5799, 73.1514, 27.3642**.

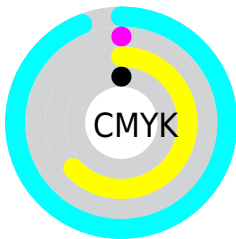
Distribution



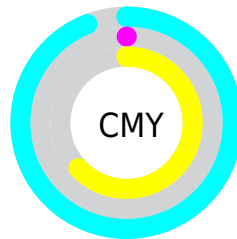
- Red (6%)
- Green (100%)
- Blue (37%)



- Red (6%)
- Yellow (76%)
- Blue (100%)



- Cyan (94%)
- Magenta (0%)
- Yellow (63%)
- Black (0%)





- Cyan (94%)
- Magenta (0%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.0226, 72.4478, 22.8063 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 38.0226, 72.4478, 22.8063 by changing the saturation by 10% instead.


 38.0226, 72.4478,
22.8063


 38.0226, 72.4478,
22.8063


328.9961,
469.0987, 279.8181

 26.1775, 53.5246,
14.2466


 71.4465, 122.6930,
48.9942


 17.0899, 38.2217,
8.1517


 93.7559, 154.7837,
67.4595


 10.3943, 26.1548,
4.1030


 120.2843,
192.0324, 90.0638

 5.7254, 16.9395,
1.6820

 151.3968,
234.8234, 117.2255

 2.7179, 10.1913,
0.3484

 187.4589,
283.5411, 149.3633

 1.0064, 5.5260,
0.0000

228.8359,

 0.0000, 2.5591,

338.5700, 186.8956

0.0000

275.8932,
400.2944, 230.2411

■ 0.0000, 0.9061,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.0226, 72.4478,
22.8063

■ 38.0226, 72.4478,
22.8063

■ 37.3996, 72.1759,
20.5542

■ 39.5799, 73.1514,
27.3642

■ 41.9702, 74.2637,
32.8929

■ 45.3135, 75.8456,
39.4477

■ 49.7087, 77.9471,
47.0782

■ 55.2417, 80.6114,
55.8310

■ 61.9891, 83.8773,
65.7495

■ 70.0207, 87.7798,
76.8749

■ 79.4008, 92.3514,
89.2464

■ 90.1894, 97.6220,
102.9013

Harmonies

Analogous

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



52.2704, 72.4478, 8.8401



38.0226, 72.4478, 22.8063



32.2656, 72.4478, 63.6801

Triad

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



38.0226, 72.4478, 22.8063



63.3233, 72.4478, 298.4533



121.1290, 72.4478, 37.5118

Complementary

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



38.0226, 72.4478, 22.8063



49.1492, 24.6972, 42.7362

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.



126.0527, 72.4478, 96.3321



38.0226, 72.4478, 22.8063



88.6324, 72.4478, 275.8641

Square

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



38.0226, 72.4478, 22.8063



44.4887, 72.4478, 239.9875



113.0231, 72.4478, 189.2768



100.8165, 72.4478, 13.1961

Rectangle

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



38.0226, 72.4478, 22.8063



32.7721, 72.4478, 112.6759



113.0231, 72.4478, 189.2768



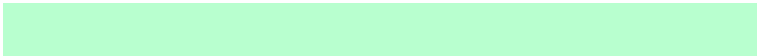
124.8071, 72.4478, 52.6287

Sweetspot

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



38.0229, 72.4479, 22.8075



66.7429, 86.1856, 72.4057



54.4374, 81.1386, 13.2444



13.5567, 18.0932, 14.4821



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.



38.0229, 72.4479, 22.8075



37.3996, 72.1759, 20.5542



47.7152, 76.3249, 73.8464



18.0213, 20.2680, 20.4150



19.6037, 37.7381, 11.0641



1.9570, 3.6937, 1.3315

Inverse Universe

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



49.1492, 24.6972, 42.7362



48.4958, 24.1623, 40.1386



42.2006, 21.9178, 6.1450



18.5201, 18.1914, 21.3562



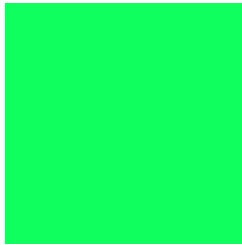
25.4123, 12.6542, 21.3534



2.5251, 1.2524, 2.3464

Previews

White Background



This preview shows how the XYZ color 38.0226, 72.4478, 22.8063 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 38.0226, 72.4478, 22.8063 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 38.0226, 72.4478, 22.8063

Background



This preview shows how black text looks on a background with the XYZ color 38.0226, 72.4478, 22.8063.



This preview shows how white text looks on a background with the XYZ color 38.0226, 72.4478,

Color Blindness Simulation

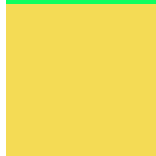
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



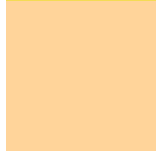
Original Color

38.0226, 72.4478, 22.8063



Protanopia

64.2794, 70.5520, 18.8243



Deuteranopia

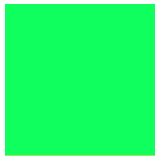
70.6162, 70.6801, 40.4926



Tritanopia

55.9419, 71.7103, 105.5008

Trichromacy



Original Color

38.0226, 72.4478, 22.8063



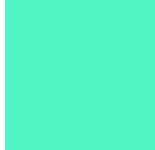
Protanomaly

45.3577, 66.0116, 19.8021



Deuteranomaly

48.1255, 65.5051, 32.2976



Tritanomaly

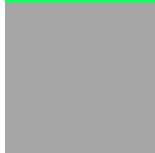
45.8221, 70.4819, 64.0126

Monochromacy



Original Color

38.0226, 72.4478, 22.8063



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

31.3581, 45.5966, 31.9592

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0226, 72.4478, 22.8063 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(15, 255, 95)` looks like.

```
.text, #text, p{  
    color:rgb(15, 255, 95)  
}
```

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(15, 255, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 255, 95) }
```

Border

The CSS property to change the border of an element to XYZ 38.0226, 72.4478, 22.8063 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(15, 255, 95) }
```


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

```
.border{ border-color:rgb(15, 255, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 255, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 255, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 255, 95);  
box-shadow:4px 4px 4px 4px rgb(15, 255,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0226, 72.4478, 22.8063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 255, 95) }
```

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

```
.background{ background-color: rgb(15, 255,  
95) }
```

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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