

Converting Colors

XYZ(38.1146, 72.4618, 24.3192)

Have a look what the booklet for
XYZ(38.1146, 72.4618, 24.3192)
contains.

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Color

**XYZ(38.1090, 72.4596,
24.2895)**

Conversions

Conversions Part 1

Format	Color
Hex	00FF65
RGB	0, 255, 101
RGB Percent	0%, 100%, 40%
CMY	1.0000, 0.0000, 0.6039
CMYK	1.00, 0.00, 0.60, 0.00
HSL	144°, 100%, 50%
HSV	144°, 100%, 100%
XYZ	38.1090, 72.4596, 24.2895
YIQ	161.1990, -102.5460, -101.9540

Conversions

Conversions Part 2

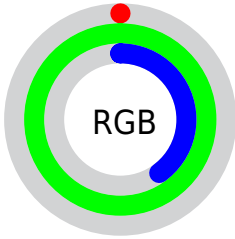
Format	Color
RYB	0, 183, 255
Decimal	65381
CIELab	88.19, -80.40, 58.34
CIELCh	88, 99.335, 144.034
Yxy	72.4596, 0.2826, 0.5373
Android (android.graphics.Color)	4278255461 (0xFF00FF65)
YUV	161.1990, -29.6781, -141.3715
Hunter-Lab	85.1232, -69.0525, 42.6681

Details

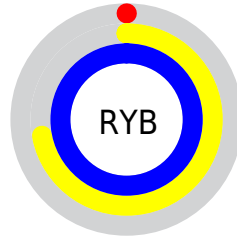
The XYZ color **38.1090, 72.4596, 24.2895** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated spring green. A complement of this color would be **47.0735, 23.5936, 32.6483**, and the grayscale version is **34.1386, 35.9164, 39.1130**.

A 20% lighter version of the original color is **49.0969, 77.7022, 43.8628**, and **20.1946, 39.6617, 8.9740** is the 20% darker color. If you saturate the color by 10%, you get **38.1088, 72.4595, 24.2887**, and if you desaturate by 10%, it is **39.3497, 73.0036, 28.6639**.

Distribution



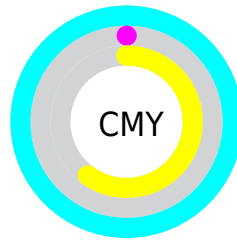
- Red (0%)
- Green (100%)
- Blue (40%)



- Red (0%)
- Yellow (72%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1090, 72.4596, 24.2895 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 38.1090, 72.4596, 24.2895 by changing the saturation by 10% instead.


 38.1090, 72.4596,
24.2895


 38.1090, 72.4596,
24.2895


329.3601,
469.1397, 287.6144

 26.2449, 53.5342,
15.3343


 71.5780, 122.7097,
51.4520


 17.1406, 38.2294,
8.9051


 93.9136, 154.8033,
70.4963


 10.4307, 26.1608,
4.5834


 120.4704,
192.0550, 93.7408

 5.7499, 16.9440,
1.9505

 151.6138,
234.8492, 121.6040

 2.7328, 10.1945,
0.5246

 187.7091,
283.5704, 154.5044

 1.0141, 5.5281,
0.0000

229.1217,

 0.0000, 2.5603,

338.6030, 192.8606

0.0000

276.2169,
400.3313, 237.0911

■ 0.0000, 0.9068,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.1090, 72.4596,
24.2895

■ 38.1090, 72.4596,
24.2895

■ 38.1088, 72.4595,
24.2887

■ 39.3497, 73.0036,
28.6639

■ 41.2774, 73.8848,
33.8456

■ 44.0640, 75.1906,
39.8792

■ 47.8165, 76.9758,
46.8031

■ 52.6254, 79.2861,
54.6528

■ 58.5703, 82.1620,
63.4620

■ 65.7227, 85.6396,
73.2624

■ 74.1480, 89.7522,
84.0842

■ 83.9068, 94.5304,
95.9564

Harmonies

Analogous

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



51.8844, 72.4596, 9.5671



38.1090, 72.4596, 24.2895



32.6838, 72.4596, 66.0589

Triad

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



38.1090, 72.4596, 24.2895



64.2289, 72.4596, 293.7876



119.6087, 72.4596, 36.6947

Complementary

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



38.1090, 72.4596, 24.2895



47.0735, 23.5936, 32.6483

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.



125.0561, 72.4596, 93.2973



38.1090, 72.4596, 24.2895



89.2104, 72.4596, 268.9647

Square

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



38.1090, 72.4596, 24.2895



45.3662, 72.4596, 239.3113



112.8758, 72.4596, 183.4314



99.3486, 72.4596, 13.3020

Rectangle

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



38.1090, 72.4596, 24.2895



33.3678, 72.4596, 115.0806



112.8758, 72.4596, 183.4314



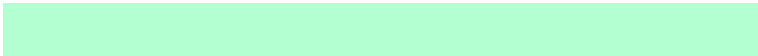
123.4017, 72.4596, 51.2236

Sweetspot

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



38.1094, 72.4598, 24.2907



65.7188, 85.6377, 73.2573



49.7145, 78.7138, 12.5734



13.3887, 18.0000, 14.7694



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.



38.1094, 72.4598, 24.2907



38.1088, 72.4595, 24.2887



49.3851, 76.9701, 83.6680



18.0695, 20.2873, 20.6692



19.9811, 37.8890, 13.0518



1.9975, 3.7099, 1.5447

Inverse Universe

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



47.0735, 23.5936, 32.6483



47.0730, 23.5932, 32.6461



41.4714, 21.3528, 3.1481



18.4701, 18.1714, 21.0929



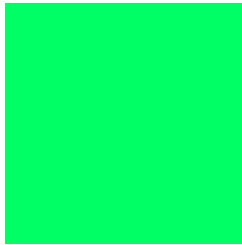
24.6723, 12.3582, 17.4566



2.4561, 1.2248, 1.9833

Previews

White Background



This preview shows how the XYZ color 38.1090, 72.4596, 24.2895 looks on a white background.

Color Contrast Check

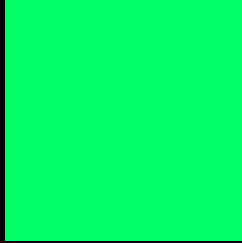
Large Text (above 18pt) WCAG AA × Fail

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 38.1090, 72.4596, 24.2895 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 38.1090, 72.4596, 24.2895

Background



This preview shows how black text looks on a background with the XYZ color 38.1090, 72.4596, 24.2895.

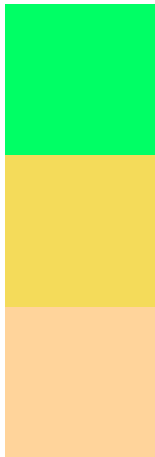


This preview shows how white text looks on a background with the XYZ color 38.1090, 72.4596,

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

38.1090, 72.4596, 24.2895

Protanopia

64.4852, 70.6343, 19.9079

Deuteranopia

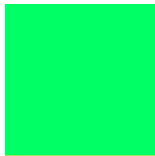
70.6999, 70.7135, 40.9331



Tritanopia

55.9419, 71.7103, 105.5008

Trichromacy



Original Color

38.1090, 72.4596, 24.2895



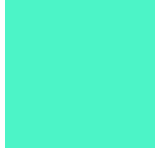
Protanomaly

44.3946, 65.4899, 20.8907



Deuteranomaly

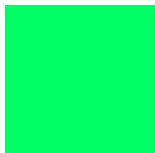
47.0169, 64.9175, 32.9739



Tritanomaly

45.6400, 70.3614, 65.2085

Monochromacy



Original Color

38.1090, 72.4596, 24.2895



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

29.6548, 43.7191, 31.3018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1090, 72.4596, 24.2895 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(0, 255, 101)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 255, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 101) }
```

Border

The CSS property to change the border of an element to XYZ 38.1090, 72.4596, 24.2895 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(0, 255, 101) }
```


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

```
.border{ border-color:rgb(0, 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(0, 255, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 101);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1090, 72.4596, 24.2895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 101) }
```

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

```
.background{ background-color: rgb(0, 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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