

Converting Colors

XYZ(38.7624, 72.7673, 25.6382)

Have a look what the booklet for
XYZ(38.7624, 72.7673, 25.6382)
contains.

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Color

**XYZ(38.7624, 72.7673,
25.6382)**

Conversions

Conversions Part 1

Format	Color
Hex	19FF6A
RGB	25, 255, 106
RGB Percent	10%, 100%, 42%
CMY	0.9019, 0.0000, 0.5843
CMYK	0.90, 0.00, 0.58, 0.00
HSL	141°, 100%, 55%
HSV	141°, 90%, 100%
XYZ	38.7624, 72.7673, 25.6382
YIQ	169.2440, -89.2510, -95.0990

Conversions

Conversions Part 2

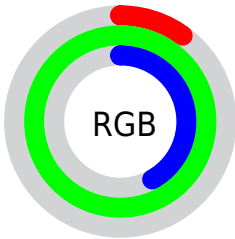
Format	Color
RYB	25, 195, 255
Decimal	1703786
CIELab	88.34, -78.94, 56.39
CIELCh	88, 97.009, 144.460
Yxy	72.7673, 0.2826, 0.5305
Android (android.graphics.Color)	4279893866 (0xFF19FF6A)
YUV	169.2440, -31.1793, -126.5020
Hunter-Lab	85.3038, -68.1704, 41.8929

Details

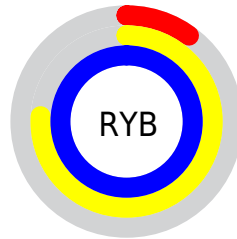
The XYZ color **38.7624, 72.7673, 25.6382** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark washed spring green. A complement of this color would be **49.2276, 25.0114, 42.2771**, and the grayscale version is **38.0147, 39.9944, 43.5539**.

A 20% lighter version of the original color is **50.0782, 78.1582, 46.1649**, and **20.3375, 39.7189, 9.7266** is the 20% darker color. If you saturate the color by 10%, you get **37.5972, 72.2549, 21.5948**, and if you desaturate by 10%, it is **40.6458, 73.6291, 30.6525**.

Distribution



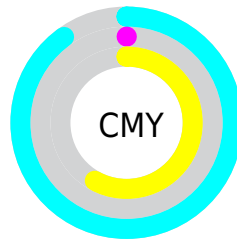
- Red (10%)
- Green (100%)
- Blue (42%)



- Red (10%)
- Yellow (76%)
- Blue (100%)



- Cyan (90%)
- Magenta (0%)
- Yellow (58%)
- Black (0%)





- Cyan (90%)
- Magenta (0%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.7624, 72.7673, 25.6382 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 38.7624, 72.7673, 25.6382 by changing the saturation by 10% instead.


 38.7624, 72.7673,
25.6382


 38.7624, 72.7673,
25.6382


332.1038,
470.2079, 294.5502


 26.7548, 53.7857,
16.3298


 72.5716, 123.1468,
53.6676


 17.5248, 38.4304,
9.6010


 95.1039, 155.3135,
73.2257

 10.7070, 26.3169,
5.0331


 121.8753,
192.6440, 97.0375

 5.9360, 17.0608,
2.2076

 153.2509,
235.5228, 125.5215

 2.8465, 10.2779,
0.6788

189.5962,
284.3342, 159.0962

 1.0731, 5.5836,
0.0000

231.2766,

 0.0024, 2.5936,

339.4625, 198.1802

0.0000

278.6573,
401.2923, 243.1920

■ 0.0000, 0.9234,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.7624, 72.7673,
25.6382

■ 38.7624, 72.7673,
25.6382


■ 37.5972, 72.2549,
21.5948

■ 40.6458, 73.6291,
30.6525


■ 43.4041, 74.9220,
36.6164


■ 47.1471, 76.7014,
43.5785

■ 51.9672, 79.0140,
51.5832

 57.9454, 81.9009,
60.6718

 65.1549, 85.3990,
70.8835

 73.6625, 89.5420,
82.2552

 83.5302, 94.3610,
94.8225

94.8158, 99.8853,
108.6190

Harmonies

Analogous

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



52.2372, 72.7673, 10.4564



38.7624, 72.7673, 25.6382



33.4951, 72.7673, 67.4891

Triad

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



38.7624, 72.7673, 25.6382



64.9314, 72.7673, 287.5449



118.4261, 72.7673, 37.1261

Complementary

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



38.7624, 72.7673, 25.6382



49.2276, 25.0114, 42.2771

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.



123.9600, 72.7673, 92.2619



38.7624, 72.7673, 25.6382



89.3994, 72.7673, 262.5526

Square

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



38.7624, 72.7673, 25.6382



46.2727, 72.7673, 235.9956



112.3486, 72.7673, 179.5354



98.5776, 72.7673, 14.0034

Rectangle

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



38.7624, 72.7673, 25.6382



34.2461, 72.7673, 115.7412



112.3486, 72.7673, 179.5354



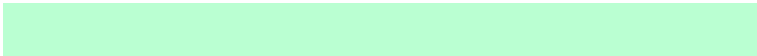
122.1852, 72.7673, 51.3409

Sweetspot

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



38.7627, 72.7674, 25.6394



67.7287, 86.6509, 74.3886



53.5030, 80.6466, 13.6663



13.9090, 18.2610, 15.1213



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.



38.7627, 72.7674, 25.6394



37.5972, 72.2549, 21.5948



49.1457, 76.9206, 80.3151



18.0357, 20.2738, 20.4912



19.7092, 37.7803, 11.6197



1.9685, 3.6983, 1.3922

Inverse Universe

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



49.2276, 25.0114, 42.2771



48.0491, 23.9837, 37.7865



42.3902, 22.2764, 6.2720



18.5051, 18.1853, 21.2769



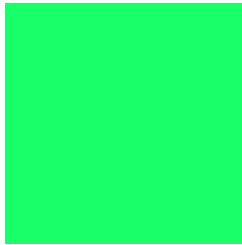
25.1802, 12.5614, 20.1314



2.5036, 1.2438, 2.2333

Previews

White Background



This preview shows how the XYZ color 38.7624, 72.7673, 25.6382 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 38.7624, 72.7673, 25.6382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

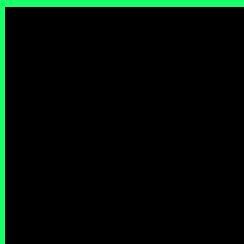
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.7624, 72.7673, 25.6382

Background



This preview shows how black text looks on a background with the XYZ color 38.7624, 72.7673, 25.6382.

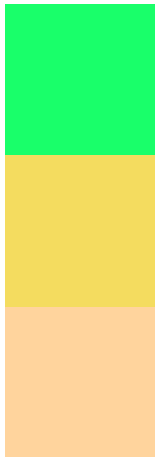


This preview shows how white text looks on a background with the XYZ color 38.7624, 72.7673,

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

38.7624, 72.7673, 25.6382

Protanopia

64.9670, 71.2457, 21.1541

Deuteranopia

70.8693, 70.7813, 41.8252



Tritanopia

56.3602, 71.9259, 105.5203

Trichromacy



Original Color

38.7624, 72.7673, 25.6382



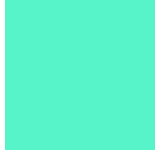
Protanomaly

46.7009, 67.0712, 22.2890



Deuteranomaly

49.1254, 65.9797, 34.1909



Tritanomaly

46.8238, 70.9447, 66.4842

Monochromacy



Original Color

38.7624, 72.7673, 25.6382



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

33.1787, 47.1658, 34.5493

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7624, 72.7673, 25.6382 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(25, 255, 106)` looks like.

```
.text, #text, p{  
    color:rgb(25, 255, 106)  
}
```

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(25, 255, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 255, 106) }
```

Border

The CSS property to change the border of an element to XYZ 38.7624, 72.7673, 25.6382 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(25, 255, 106) }
```


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

```
.border{ border-color:rgb(25, 255, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 255, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 255, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 255, 106);  
box-shadow:4px 4px 4px 4px rgb(25, 255,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7624, 72.7673, 25.6382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 255, 106) }
```

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

```
.background{ background-color: rgb(25, 255,  
106) }
```

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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