

Converting Colors

XYZ(38.9067, 72.8404, 25.7018)

Have a look what the booklet for
XYZ(38.9067, 72.8404, 25.7018)
contains.

XYZ(38.8969, 72.8366, 25.6445)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.8969, 72.8366,
25.6445)**

Conversions

Conversions Part 1

Format	Color
Hex	1EFF6A
RGB	30, 255, 106
RGB Percent	12%, 100%, 42%
CMY	0.8823, 0.0000, 0.5843
CMYK	0.88, 0.00, 0.58, 0.00
HSL	140°, 100%, 56%
HSV	140°, 88%, 100%
XYZ	38.8969, 72.8366, 25.6445
YIQ	170.7390, -86.2710, -94.0390

Conversions

Conversions Part 2

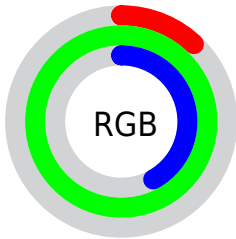
Format	Color
RYB	30, 198, 255
Decimal	2031466
CIELab	88.37, -78.65, 56.44
CIELCh	88, 96.805, 144.339
Yxy	72.8366, 0.2831, 0.5302
Android (android.graphics.Color)	4280221546 (0xFF1EFF6A)
YUV	170.7390, -31.9163, -123.4281
Hunter-Lab	85.3444, -67.9987, 41.9254

Details

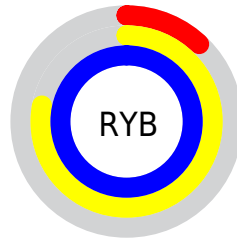
The XYZ color **38.8969, 72.8366, 25.6445** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark washed spring green. A complement of this color would be **49.8409, 25.4433, 44.9313**, and the grayscale version is **38.7642, 40.7829, 44.4126**.

A 20% lighter version of the original color is **50.2191, 78.2308, 46.1714**, and **20.3375, 39.7189, 9.7266** is the 20% darker color. If you saturate the color by 10%, you get **37.6245, 72.2723, 21.4441**, and if you desaturate by 10%, it is **40.9316, 73.7738, 30.7855**.

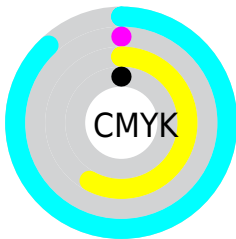
Distribution



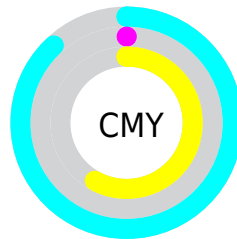
- Red (12%)
- Green (100%)
- Blue (42%)



- Red (12%)
- Yellow (78%)
- Blue (100%)



- Cyan (88%)
- Magenta (0%)
- Yellow (58%)
- Black (0%)





- Cyan (88%)
- Magenta (0%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8969, 72.8366, 25.6445 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 38.8969, 72.8366, 25.6445 by changing the saturation by 10% instead.


 38.8969, 72.8366,
25.6445


 38.8969, 72.8366,
25.6445


332.6667,
470.4483, 294.5823


 26.8599, 53.8424,
16.3345


 72.7759, 123.2452,
53.6779

 17.6041, 38.4756,
9.6043


 95.3485, 155.4284,
73.2384

 10.7641, 26.3521,
5.0352


 122.1638,
192.7767, 97.0528

 5.9745, 17.0872,
2.2088

 153.5871,
235.6744, 125.5396

 2.8701, 10.2967,
0.6795

189.9836,
284.5061, 159.1175

 1.0855, 5.5961,
0.0000

231.7188,

 0.0129, 2.6011,

339.6560, 198.2048

0.0000

279.1581,
401.5086, 243.2203

■ 0.0000, 0.9272,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.8969, 72.8366,
25.6445

■ 38.8969, 72.8366,
25.6445

■ 37.6245, 72.2723,
21.4441


■ 40.9316, 73.7738,
30.7855


■ 37.4452, 72.1941,
20.7941


■ 43.8708, 75.1564,
36.9193


■ 47.8209, 77.0379,
44.0973

■ 52.8724, 79.4643,
52.3663

 59.1051, 82.4756,
61.7699

 66.5912, 86.1085,
72.3495

 75.3971, 90.3961,
84.1442

 85.5842, 95.3695,
97.1914

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



52.3956, 72.8366, 10.5110



38.8969, 72.8366, 25.6445



33.5996, 72.8366, 67.3391

Triad

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



38.8969, 72.8366, 25.6445



64.9134, 72.8366, 287.0247



118.4529, 72.8366, 37.3881

Complementary

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



38.8969, 72.8366, 25.6445



49.8409, 25.4433, 44.9313

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.



123.9048, 72.8366, 92.6142



38.8969, 72.8366, 25.6445



89.3293, 72.8366, 262.4203

Square

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



38.8969, 72.8366, 25.6445



46.3065, 72.8366, 235.3710



112.2575, 72.8366, 179.7728



98.6885, 72.8366, 14.1465

Rectangle

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



38.8969, 72.8366, 25.6445



34.3300, 72.8366, 115.4151



112.2575, 72.8366, 179.7728



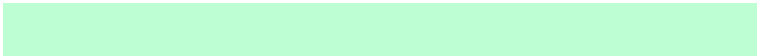
122.1818, 72.8366, 51.6444

Sweetspot

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



38.8973, 72.8368, 25.6457



68.4418, 87.0084, 74.8778



54.8170, 81.3172, 14.0351



14.0412, 18.3277, 15.1934



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.



38.8973, 72.8368, 25.6457



37.4452, 72.1941, 20.7941



48.8851, 76.8319, 78.2410



18.0247, 20.2694, 20.4330



19.6280, 37.7478, 11.1923



1.9597, 3.6948, 1.3456

Inverse Universe

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



49.8409, 25.4433, 44.9313



48.3887, 24.1195, 39.5744



42.7326, 22.6000, 7.4996



18.5166, 18.1899, 21.3374



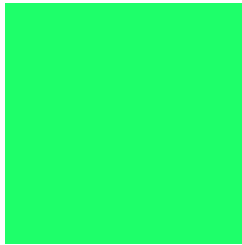
25.3566, 12.6320, 21.0604



2.5199, 1.2503, 2.3193

Previews

White Background



This preview shows how the XYZ color 38.8969, 72.8366, 25.6445 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 38.8969, 72.8366, 25.6445 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 38.8969, 72.8366, 25.6445

Background



This preview shows how black text looks on a background with the XYZ color 38.8969, 72.8366, 25.6445.

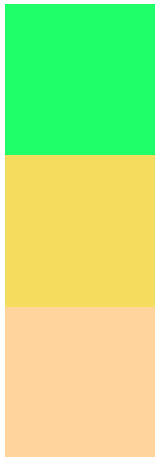


This preview shows how white text looks on a background with the XYZ color 38.8969, 72.8366,

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

38.8969, 72.8366, 25.6445

Protanopia

64.9670, 71.2457, 21.1541

Deuteranopia

70.8693, 70.7813, 41.8252



Tritanopia

56.3602, 71.9259, 105.5203

Trichromacy



Original Color

38.8969, 72.8366, 25.6445



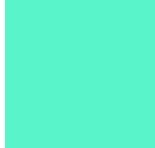
Protanomaly

47.1169, 67.2857, 22.3085



Deuteranomaly

49.5644, 66.2060, 34.2115



Tritanomaly

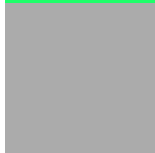
47.0131, 71.0423, 66.4930

Monochromacy



Original Color

38.8969, 72.8366, 25.6445



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

34.1327, 48.3407, 35.1355

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8969, 72.8366, 25.6445 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(30, 255, 106)` looks like.

```
.text, #text, p{  
    color:rgb(30, 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(30, 255, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 255, 106) }
```

Border

The CSS property to change the border of an element to XYZ 38.8969, 72.8366, 25.6445 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(30, 255, 106) }
```


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

```
.border{ border-color:rgb(30, 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(30, 255, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 255, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 255, 106);  
box-shadow:4px 4px 4px 4px rgb(30, 255,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8969, 72.8366, 25.6445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 255, 106) }
```

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

```
.background{ background-color: rgb(30, 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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