

Converting Colors

XYZ(38.8720, 72.7855, 27.3720)

Have a look what the booklet for
XYZ(38.8720, 72.7855, 27.3720)
contains.

XYZ(38.8657, 72.7832, 27.3294)	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(38.8657, 72.7832,
27.3294)**

Conversions

Conversions Part 1

Format	Color
Hex	0EFF70
RGB	14, 255, 112
RGB Percent	5%, 100%, 44%
CMY	0.9451, 0.0000, 0.5608
CMYK	0.95, 0.00, 0.56, 0.00
HSL	144°, 100%, 53%
HSV	144°, 95%, 100%
XYZ	38.8657, 72.7832, 27.3294
YIQ	166.6390, -97.7330, -95.5650

Conversions

Conversions Part 2

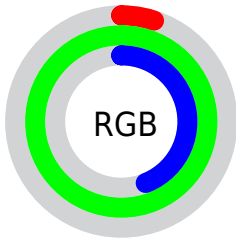
Format	Color
RYB	14, 185, 255
Decimal	982896
CIELab	88.34, -78.64, 53.74
CIELCh	88, 95.252, 145.651
Yxy	72.7832, 0.2797, 0.5237
Android (android.graphics.Color)	4279172976 (0xFF0EFF70)
YUV	166.6390, -26.9370, -133.8644
Hunter-Lab	85.3131, -67.9794, 40.7260

Details

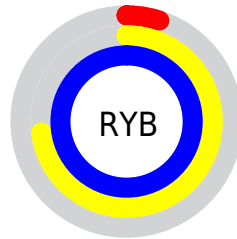
The XYZ color **38.8657, 72.7832, 27.3294** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated spring green. A complement of this color would be **47.4832, 24.0087, 34.0311**, and the grayscale version is **36.7168, 38.6289, 42.0669**.

A 20% lighter version of the original color is **50.2063, 78.1616, 48.9998**, and **20.5036, 39.7853, 10.6017** is the 20% darker color. If you saturate the color by 10%, you get **38.2431, 72.5132, 24.9959**, and if you desaturate by 10%, it is **40.4556, 73.4971, 32.1789**.

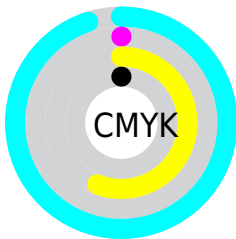
Distribution



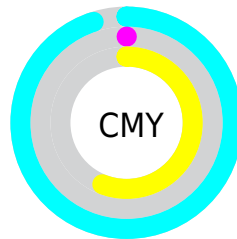
- Red (5%)
- Green (100%)
- Blue (44%)



- Red (5%)
- Yellow (73%)
- Blue (100%)



- Cyan (95%)
- Magenta (0%)
- Yellow (56%)
- Black (0%)





- Cyan (95%)
- Magenta (0%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8657, 72.7832, 27.3294 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 38.8657, 72.7832, 27.3294 by changing the saturation by 10% instead.


 38.8657, 72.7832,
27.3294


 38.8657, 72.7832,
27.3294

332.5362,
470.2631, 303.0590


 26.8355, 53.7987,
17.5861


 72.7285, 123.1694,
56.4221


 17.5857, 38.4408,
10.4869


 95.2918, 155.3399,
76.6087


 10.7508, 26.3249,
5.6132


 122.0969,
192.6745, 101.1135

 5.9656, 17.0669,
2.5464

 153.5091,
235.5576, 130.3550

 2.8646, 10.2822,
0.8646

 189.8938,
284.3736, 164.7517

 1.0826, 5.5865,
0.0000

231.6163,

 0.0105, 2.5953,

339.5069, 204.7223

0.0000

279.0420,
401.3420, 250.6852

■ 0.0000, 0.9243,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.8657, 72.7832,
27.3294

■ 38.8657, 72.7832,
27.3294


■ 38.2431, 72.5132,
24.9959


■ 40.4556, 73.4971,
32.1789


■ 42.8429, 74.6050,
37.8380


■ 46.1457, 76.1671,
44.3456


■ 50.4605, 78.2323,
51.7364

 55.8712, 80.8434,
60.0433

 62.4522, 84.0380,
69.2972

 70.2712, 87.8505,
79.5274

 79.3907, 92.3126,
90.7619

 89.8687, 97.4536,
103.0277

Harmonies

Analogous

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



51.8429, 72.7832, 11.3188



38.8657, 72.7832, 27.3294



33.9558, 72.7832, 70.0808

Triad

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



38.8657, 72.7832, 27.3294



65.8983, 72.7832, 282.6861



116.8445, 72.7832, 36.2933

Complementary

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



38.8657, 72.7832, 27.3294



47.4832, 24.0087, 34.0311

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.



122.9104, 72.7832, 89.1828



38.8657, 72.7832, 27.3294



90.0021, 72.7832, 255.4932

Square

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



38.8657, 72.7832, 27.3294



47.2241, 72.7832, 235.2217



112.1807, 72.7832, 173.6029



97.0592, 72.7832, 14.1326

Rectangle

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



38.8657, 72.7832, 27.3294



34.8997, 72.7832, 118.2879



112.1807, 72.7832, 173.6029



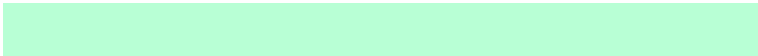
120.7187, 72.7832, 49.9099

Sweetspot

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



38.8661, 72.7834, 27.3306



67.3953, 86.4465, 75.8412



50.0588, 78.8821, 13.0031



13.7110, 18.1549, 15.2943



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.



38.8661, 72.7834, 27.3306



38.2431, 72.5132, 24.9959



50.3510, 77.3773, 87.8094



18.0777, 20.2906, 20.7122



20.0523, 37.9175, 13.4264



2.0049, 3.7129, 1.5838

Inverse Universe

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



47.4832, 24.0087, 34.0311



46.8509, 23.5044, 31.4766



41.7487, 21.7149, 3.8337



18.4617, 18.1680, 21.0487



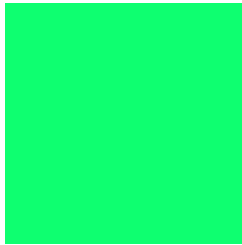
24.5565, 12.3119, 16.8471



2.4452, 1.2205, 1.9258

Previews

White Background



This preview shows how the XYZ color 38.8657, 72.7832, 27.3294 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 38.8657, 72.7832, 27.3294 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 38.8657, 72.7832, 27.3294

Background



This preview shows how black text looks on a background with the XYZ color 38.8657, 72.7832, 27.3294.

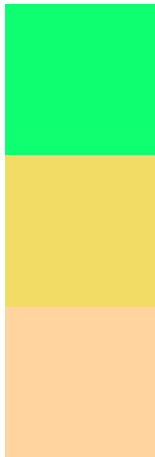


This preview shows how white text looks on a background with the XYZ color 38.8657, 72.7832,

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

38.8657, 72.7832, 27.3294

Protanopia

64.9043, 71.1807, 22.6303

Deuteranopia

70.9550, 70.8156, 42.2768



Tritanopia

56.2193, 71.8533, 105.5137

Trichromacy



Original Color

38.8657, 72.7832, 27.3294



Protanomaly

46.1859, 66.7713, 23.8185



Deuteranomaly

48.4875, 65.6254, 35.3107



Tritanomaly

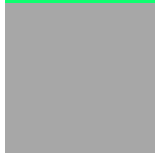
46.6099, 70.8070, 67.7104

Monochromacy



Original Color

38.8657, 72.7832, 27.3294



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

32.2454, 46.3329, 34.8474

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8657, 72.7832, 27.3294 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(14, 255, 112)` looks like.

```
.text, #text, p{  
    color:rgb(14, 255, 112)  
}
```

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(14, 255, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 255, 112) }
```

Border

The CSS property to change the border of an element to XYZ 38.8657, 72.7832, 27.3294 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(14, 255, 112) }
```


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

```
.border{ border-color:rgb(14, 255, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 255, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 255, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 255, 112);  
box-shadow:4px 4px 4px 4px rgb(14, 255,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8657, 72.7832, 27.3294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 255, 112) }
```

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

```
.background{ background-color: rgb(14, 255,  
112) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor