

Converting Colors

XYZ(39.0127, 61.6325, 38.1713)

Have a look what the booklet for
XYZ(39.0127, 61.6325, 38.1713)
contains.

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Color

**XYZ(38.9772, 61.4729,
38.2449)**

Conversions

Conversions Part 1

Format	Color
Hex	64E695
RGB	100, 230, 149
RGB Percent	39%, 90%, 58%
CMY	0.6078, 0.0980, 0.4157
CMYK	0.57, 0.00, 0.35, 0.10
HSL	143°, 72%, 65%
HSV	143°, 57%, 90%
XYZ	38.9772, 61.4729, 38.2449
YIQ	181.8960, -51.4790, -52.7510

Conversions

Conversions Part 2

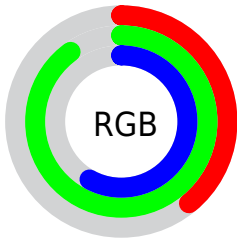
Format	Color
RYB	100, 194, 230
Decimal	6612629
CIELab	82.63, -53.67, 28.94
CIElCh	83, 60.973, 151.662
Yxy	61.4729, 0.2810, 0.4432
Android (android.graphics.Color)	4284802709 (0xFF64E695)
YUV	181.8960, -16.2177, -71.8228
Hunter-Lab	78.4047, -48.4707, 25.9623

Details

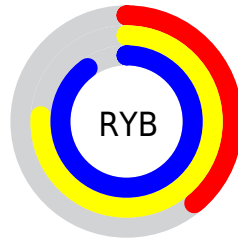
The XYZ color **38.9772, 61.4729, 38.2449** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **45.5328, 29.2749, 46.9692**, and the grayscale version is **44.5138, 46.8319, 51.0000**.

A 20% lighter version of the original color is **61.1563, 83.3532, 69.9922**, and **17.5532, 30.9832, 16.3645** is the 20% darker color. If you saturate the color by 10%, you get **35.7088, 59.9138, 32.4830**, and if you desaturate by 10%, it is **43.1076, 63.4634, 44.7849**.

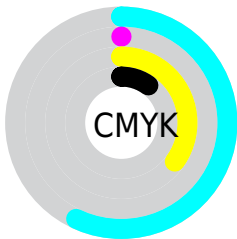
Distribution



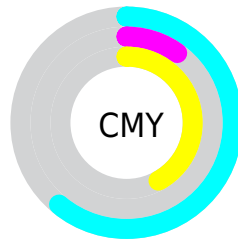
- Red (39%)
- Green (90%)
- Blue (58%)



- Red (39%)
- Yellow (76%)
- Blue (90%)



- Cyan (57%)
- Magenta (0%)
- Yellow (35%)
- Black (10%)





- Cyan (61%)
- Magenta (10%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9772, 61.4729, 38.2449 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 38.9772, 61.4729, 38.2449 by changing the saturation by 10% instead.


 38.9772, 61.4729,
38.2449


 38.9772, 61.4729,
38.2449


333.0024,
430.0058, 353.9990


 26.9226, 44.6069,
25.8695


 72.8978, 106.9634,
73.6909


 17.6514, 31.1479,
16.5012


 95.4945, 136.3566,
97.5987

 10.7982, 20.7115,
9.7213


 122.3360,
170.6945, 126.1876

 5.9976, 12.9133,
5.1114

 153.7876,
210.3613, 159.8762

 2.8843, 7.3689,
2.2529

190.2147,
255.7414, 199.0832

 1.0929, 3.6938,
0.7046

231.9826,

 0.0191, 1.5038,

307.2193, 244.2269

0.0000

279.4567,
365.1793, 295.7260

0.0000, 0.2914,
0.0000

0.0000, 0.0000,
0.0000

38.9772, 61.4729,
38.2449

38.9772, 61.4729,
38.2449

35.7088, 59.9138,
32.4830

43.1076, 63.4634,
44.7849

33.2302, 58.7446,
27.4651

48.1549, 65.9081,
52.1267


31.4651, 57.9281,
23.1609


54.1749, 68.8370,
60.2983


30.3158, 57.4146,
19.5358


61.2176, 72.2751,
69.3250

 30.0057, 57.2790,
18.4256

 69.3293, 76.2460,
79.2310

 78.5534, 80.7715,
90.0395

 86.6869, 84.7155,
101.6677

 87.5880, 85.0759,
106.4127

Harmonies

Analogous

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



46.2010, 61.4729, 22.4521



38.9772, 61.4729, 38.2449



36.7298, 61.4729, 69.0432

Triad

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



38.9772, 61.4729, 38.2449



59.1602, 61.4729, 167.7738



82.5440, 61.4729, 35.8085

Complementary

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



38.9772, 61.4729, 38.2449



45.5328, 29.2749, 46.9692

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.



87.3313, 61.4729, 64.8673



38.9772, 61.4729, 38.2449



72.6421, 61.4729, 148.8186

Square

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



38.9772, 61.4729, 38.2449



47.2891, 61.4729, 152.4037



83.4652, 61.4729, 107.2550



71.1919, 61.4729, 21.4591

Rectangle

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



38.9772, 61.4729, 38.2449



38.0402, 61.4729, 97.1819



83.4652, 61.4729, 107.2550



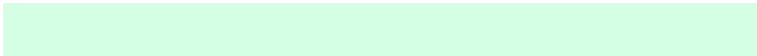
85.0445, 61.4729, 43.7198

Sweetspot

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



38.9788, 61.4754, 38.2463



76.8127, 91.0659, 86.9201



49.9694, 67.5022, 22.4528



16.0366, 19.2942, 18.0950



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.



38.9788, 61.4754, 38.2463



44.4681, 75.4012, 39.7964



45.5222, 64.0928, 72.7037



14.4129, 16.1786, 16.4392



17.0416, 32.4487, 10.7193



1.3033, 2.4154, 1.0237

Inverse Universe

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



45.5328, 29.2749, 46.9692



53.4825, 30.9365, 51.6632



40.4226, 27.2308, 20.0590



14.7527, 14.5183, 16.8982



21.3564, 10.6768, 16.0378



1.6229, 0.8069, 1.4209

Previews

White Background



This preview shows how the XYZ color 38.9772, 61.4729, 38.2449 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 38.9772, 61.4729, 38.2449 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

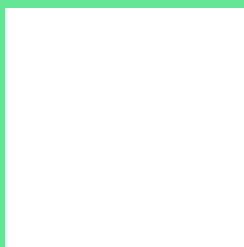
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.9772, 61.4729, 38.2449

Background



This preview shows how black text looks on a background with the XYZ color 38.9772, 61.4729, 38.2449.



This preview shows how white text looks on a background with the XYZ color 38.9772, 61.4729, 38.2449.

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

38.9772, 61.4729, 38.2449

Protanopia

55.9991, 60.3929, 32.7503

Deuteranopia

61.7609, 60.4394, 40.3091



Tritanopia

49.0750, 61.1374, 89.3349

Trichromacy



Original Color

38.9772, 61.4729, 38.2449



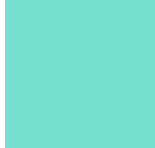
Protanomaly

46.8082, 58.8886, 34.4908



Deuteranomaly

49.3749, 58.2637, 39.2155



Tritanomaly

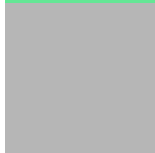
44.6096, 60.8961, 67.1606

Monochromacy



Original Color

38.9772, 61.4729, 38.2449



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

40.6280, 50.4245, 45.6218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9772, 61.4729, 38.2449 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(100, 230, 149)` looks like.

```
.text, #text, p{  
    color:rgb(100, 230, 149)  
}
```

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(100, 230, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 230, 149) }
```

Border

The CSS property to change the border of an element to XYZ 38.9772, 61.4729, 38.2449 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(100, 230, 149) }
```


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

```
.border{ border-color:rgb(100, 230, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 230, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(100, 230, 149); -webkit-box-shadow:4px 4px 4px 4px rgb(100, 230, 149); box-shadow:4px 4px 4px 4px rgb(100, 230, 149) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9772, 61.4729, 38.2449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 230, 149) }
```

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

```
.background{ background-color: rgb(100,  
230, 149) }
```

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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