

Converting Colors

XYZ(38.7094, 61.1275, 39.5003)

Have a look what the booklet for
XYZ(38.7094, 61.1275, 39.5003)
contains.

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Color

**XYZ(38.7882, 61.3474,
39.5027)**

Conversions

Conversions Part 1

Format	Color
Hex	60E698
RGB	96, 230, 152
RGB Percent	38%, 90%, 60%
CMY	0.6235, 0.0980, 0.4039
CMYK	0.58, 0.00, 0.34, 0.10
HSL	145°, 73%, 64%
HSV	145°, 58%, 90%
XYZ	38.7882, 61.3474, 39.5027
YIQ	181.0420, -54.8260, -52.6660

Conversions

Conversions Part 2

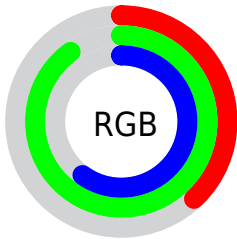
Format	Color
RYB	96, 191, 230
Decimal	6350488
CIELab	82.57, -53.98, 27.30
CIElCh	83, 60.487, 153.175
Yxy	61.3474, 0.2778, 0.4393
Android (android.graphics.Color)	4284540568 (0xFF60E698)
YUV	181.0420, -14.3177, -74.5818
Hunter-Lab	78.3246, -48.6706, 24.9245

Details

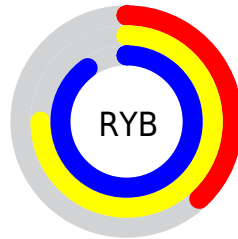
The XYZ color **38.7882, 61.3474, 39.5027** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **44.4579, 28.2461, 43.1555**, and the grayscale version is **44.0413, 46.3349, 50.4587**.

A 20% lighter version of the original color is **60.7328, 83.0929, 71.8691**, and **17.4408, 30.9088, 17.1034** is the 20% darker color. If you saturate the color by 10%, you get **35.6778, 59.8652, 33.9532**, and if you desaturate by 10%, it is **42.7333, 63.2489, 45.7401**.

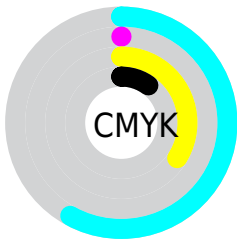
Distribution



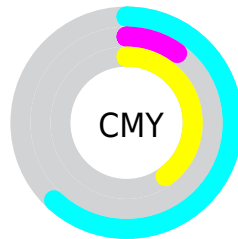
- Red (38%)
- Green (90%)
- Blue (60%)



- Red (38%)
- Yellow (75%)
- Blue (90%)



- Cyan (58%)
- Magenta (0%)
- Yellow (34%)
- Black (10%)





- Cyan (62%)
- Magenta (10%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7882, 61.3474, 39.5027 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 38.7882, 61.3474, 39.5027 by changing the saturation by 10% instead.


 38.7882, 61.3474,
39.5027


 38.7882, 61.3474,
39.5027


332.2119,
429.5466, 359.5126


 26.7750, 44.5056,
26.8402


 72.6108, 106.7818,
75.6344


 17.5400, 31.0682,
17.2219


 95.1509, 136.1431,
99.9407

 10.7179, 20.6508,
10.2292

 121.9306,
170.4465, 128.9654

 5.9434, 12.8690,
5.4436

 153.3154,
210.0762, 163.1269

 2.8510, 7.3384,
2.4466

189.6706,
255.4167, 202.8438

 1.0755, 3.6746,
0.8116

231.3615,

 0.0044, 1.4933,

306.8523, 248.5347

0.0000

278.7534,
364.7675, 300.6182

■ 0.0000, 0.2840,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.7882, 61.3474,
39.5027

■ 38.7882, 61.3474,
39.5027

■ 35.6778, 59.8652,
33.9532

■ 42.7333, 63.2489,
45.7401

■ 33.3295, 58.7605,
29.0629


■ 47.5683, 65.5927,
52.6845


■ 31.6655, 57.9951,
24.8070


■ 53.3488, 68.4088,
60.3591


■ 30.5739, 57.5120,
21.1562


■ 60.1248, 71.7225,
68.7852

 30.4148, 57.4426,
20.5797

 67.9422, 75.5570,
77.9827

 76.8442, 79.9343,
87.9710

 86.1298, 84.4926,
98.7340

 87.5879, 85.0759,
106.4126

Harmonies

Analogous

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



45.7152, 61.3474, 23.1163



38.7882, 61.3474, 39.5027



36.8096, 61.3474, 70.8252

Triad

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



38.7882, 61.3474, 39.5027



59.6990, 61.3474, 166.3208



81.7372, 61.3474, 34.8759

Complementary

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



38.7882, 61.3474, 39.5027



44.4579, 28.2461, 43.1555

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.



86.8780, 61.3474, 62.9243



38.7882, 61.3474, 39.5027



73.0259, 61.3474, 146.0491

Square

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



38.7882, 61.3474, 39.5027



47.7766, 61.3474, 152.8047



83.4769, 61.3474, 104.4312



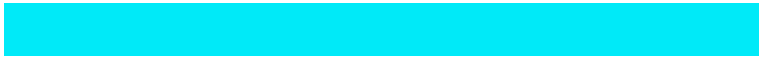
70.2853, 61.3474, 21.2234

Rectangle

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



38.7882, 61.3474, 39.5027



38.2795, 61.3474, 98.9813



83.4769, 61.3474, 104.4312



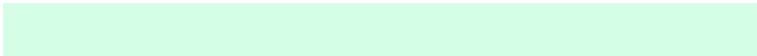
84.3316, 61.3474, 42.4759

Sweetspot

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



38.7898, 61.3499, 39.5041



77.0607, 91.1651, 88.2259



47.9029, 66.4587, 21.3701



16.0949, 19.3175, 18.4020



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.



38.7898, 61.3499, 39.5041



44.3741, 75.3145, 41.5174



45.8869, 64.1887, 76.8767



14.4379, 16.1886, 16.5708



17.2763, 32.5426, 11.9551



1.3221, 2.4230, 1.1228

Inverse Universe

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



44.4579, 28.2461, 43.1555



52.1385, 29.8098, 46.4020



39.4803, 26.2550, 16.9436



14.7270, 14.5080, 16.7630



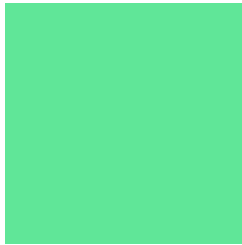
20.9689, 10.5218, 13.9969



1.5956, 0.7960, 1.2770

Previews

White Background



This preview shows how the XYZ color 38.7882, 61.3474, 39.5027 looks on a white background.

Color Contrast Check

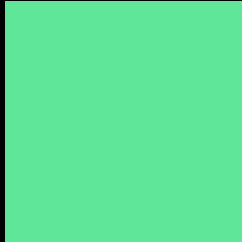
Large Text (above 18pt) WCAG AA × Fail

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 38.7882, 61.3474, 39.5027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

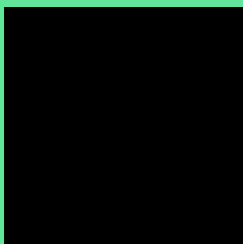
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

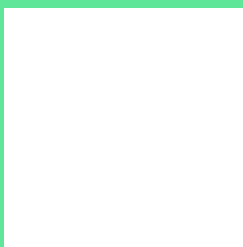
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.7882, 61.3474, 39.5027

Background



This preview shows how black text looks on a background with the XYZ color 38.7882, 61.3474, 39.5027.

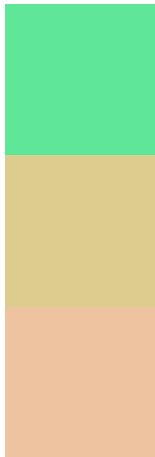


This preview shows how white text looks on a background with the XYZ color 38.7882, 61.3474,

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

38.7882, 61.3474, 39.5027

Protanopia

55.9158, 60.3245, 33.8960

Deuteranopia

61.3450, 60.1951, 41.6433



Tritanopia

48.5027, 60.8424, 89.3082

Trichromacy



Original Color

38.7882, 61.3474, 39.5027



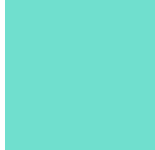
Protanomaly

46.5843, 58.7468, 35.6721



Deuteranomaly

48.8914, 57.9852, 40.5137



Tritanomaly

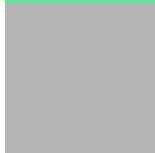
44.2103, 60.6763, 67.7741

Monochromacy



Original Color

38.7882, 61.3474, 39.5027



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

40.2568, 50.2332, 45.6044

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7882, 61.3474, 39.5027 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(96, 230, 152)` looks like.

```
.text, #text, p{  
    color:rgb(96, 230, 152)  
}
```

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(96, 230, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 230, 152) }
```

Border

The CSS property to change the border of an element to XYZ 38.7882, 61.3474, 39.5027 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(96, 230, 152) }
```


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

```
.border{ border-color:rgb(96, 230, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 230, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 230, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 230, 152);  
box-shadow:4px 4px 4px 4px rgb(96, 230,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7882, 61.3474, 39.5027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 230, 152) }
```

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

```
.background{ background-color: rgb(96, 230,  
152) }
```

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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