

Converting Colors

XYZ(55.8722, 38.6053, 88.5112)

Have a look what the booklet for
XYZ(55.8722, 38.6053, 88.5112)
contains.

XYZ(55.8722, 38.6053, 88.5112)	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(55.8722, 38.6053,
88.5112)**

Conversions

Conversions Part 1

Format	Color
Hex	E481F2
RGB	228, 129, 242
RGB Percent	89%, 51%, 95%
CMY	0.1059, 0.4941, 0.0510
CMYK	0.06, 0.47, 0.00, 0.05
HSL	293°, 81%, 73%
HSV	293°, 47%, 95%
XYZ	55.8722, 38.6053, 88.5112
YIQ	171.4830, 22.7310, 56.1310

Conversions

Conversions Part 2

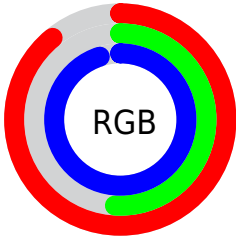
Format	Color
R _Y B	228, 129, 242
Decimal	14975474
CIE Lab	68.46, 54.78, -41.03
CIE LCh	68, 68.438, 323.167
Yxy	38.6053, 0.3053, 0.2110
Android (android.graphics.Color)	4293165554 (0xFFE481F2)
YUV	171.4830, 34.7649, 49.5654
Hunter-Lab	62.1332, 51.7801, -40.9678

Details

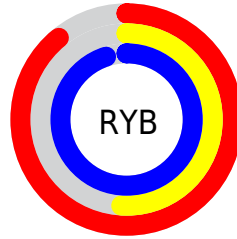
The XYZ color **55.8722, 38.6053, 88.5112** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **47.0435, 70.9298, 31.9820**, and the grayscale version is **38.7753, 40.7946, 44.4254**.

A 20% lighter version of the original color is **76.4305, 62.7610, 102.6935**, and **27.8506, 17.0810, 47.7280** is the 20% darker color. If you saturate the color by 10%, you get **52.1114, 32.4825, 87.5282**, and if you desaturate by 10%, it is **60.4070, 46.2494, 89.7482**.

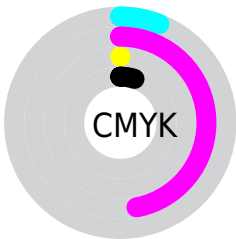
Distribution



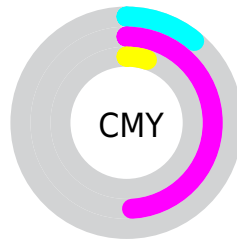
- Red (89%)
- Green (51%)
- Blue (95%)



- Red (89%)
- Yellow (51%)
- Blue (95%)



- Cyan (6%)
- Magenta (47%)
- Yellow (0%)
- Black (5%)





- Cyan (11%)
- Magenta (49%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.8722, 38.6053, 88.5112 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 55.8722, 38.6053, 88.5112 by changing the saturation by 10% instead.


 55.8722, 38.6053,
88.5112


 55.8722, 38.6053,
88.5112


399.2925,
340.2095, 543.6205


 40.3371, 26.4528,
66.1798

 97.9586, 73.0350,
147.1860

 27.9868, 17.1627,
47.9609


 125.2406, 96.0809,
184.3665

 18.4561, 10.3506,
33.4362


 157.1688,
123.5268, 227.3338

 11.3796, 5.6320,
22.1870

194.1088,
155.7571, 276.5063

 6.3920, 2.6226,
13.7947

236.4258,
193.1561, 332.3028

 3.1278, 0.9381,
7.8409

284.4852,

 1.2217, 0.0000,

236.1082, 395.1416

3.9070

338.6523,
284.9979, 465.4413

■ 0.1234, 0.0000,
1.5745

■ 0.0000, 0.0000,
0.2725

■ 55.8722, 38.6053,
88.5112

■ 55.8722, 38.6053,
88.5112

■ 52.1114, 32.4825,
87.5282

■ 60.4070, 46.2494,
89.7482

■ 49.0662, 27.7676,
86.7786

■ 65.7605, 55.5075,
91.2531

■ 46.6767, 24.3398,
86.2429

■ 71.9789, 66.4708,
93.0414

■ 44.8709, 22.0553,
85.8971

■ 79.1038, 79.2220,
95.1272

43.5579, 20.7325,
85.7110

87.1739, 93.8387,
97.5231

43.1842, 20.4108,
85.6686

89.7898, 97.5220,
98.0962

90.8500, 98.0685,
98.1458

91.9272, 98.6238,
98.1962

93.0215, 99.1880,
98.2474

Harmonies

Analogous

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



45.4507, 38.6053, 123.4491



55.8722, 38.6053, 88.5112



61.3124, 38.6053, 49.4875

Triad

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



55.8722, 38.6053, 88.5112



39.2108, 38.6053, 6.3787



20.7673, 38.6053, 69.9249

Complementary

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



55.8722, 38.6053, 88.5112



47.0435, 70.9298, 31.9820

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.



19.7436, 38.6053, 35.3703



55.8722, 38.6053, 88.5112



29.1397, 38.6053, 7.7005

Square

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



55.8722, 38.6053, 88.5112



50.5488, 38.6053, 10.2063



22.4979, 38.6053, 15.5764



25.6335, 38.6053, 109.5458

Rectangle

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



55.8722, 38.6053, 88.5112



60.7551, 38.6053, 29.9290



22.4979, 38.6053, 15.5764



20.0073, 38.6053, 57.0302

Sweetspot

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



55.8736, 38.6070, 88.5120



83.0914, 78.4705, 105.3747



35.0652, 31.0464, 88.1494



17.4299, 16.1635, 22.4512



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.



55.8736, 38.6070, 88.5120



58.8945, 36.9102, 98.6280



54.9611, 38.7760, 59.5806



16.2503, 15.9263, 19.9392



23.2784, 11.0059, 46.0253



1.9901, 0.9432, 3.8314

Inverse Universe

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



49.4273, 36.5625, 30.4403



51.0782, 34.5013, 25.0481



48.1035, 71.0911, 49.4338



15.8525, 15.7907, 16.7793



19.8236, 10.2019, 1.7217



1.6746, 0.8589, 0.2771

Previews

White Background



This preview shows how the XYZ color 55.8722, 38.6053, 88.5112 looks on a white background.

Color Contrast Check

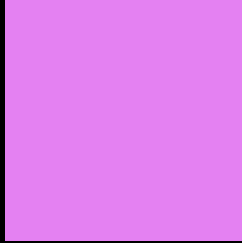
Large Text (above 18pt) WCAG AA × Fail

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 55.8722, 38.6053, 88.5112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

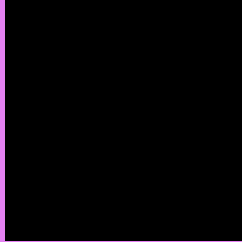
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.8722, 38.6053, 88.5112

Background



This preview shows how black text looks on a background with the XYZ color 55.8722, 38.6053, 88.5112.



This preview shows how white text looks on a background with the XYZ color 55.8722, 38.6053,

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

55.8722, 38.6053, 88.5112

Protanopia

41.1570, 38.8393, 99.9353

Deuteranopia

39.7782, 38.7481, 83.9798



Tritanopia

45.4632, 38.4347, 37.8234

Trichromacy



Original Color

55.8722, 38.6053, 88.5112



Protanomaly

44.4704, 37.3602, 95.3099



Deuteranomaly

44.1164, 37.6282, 85.8267



Tritanomaly

48.5290, 38.0960, 52.9396

Monochromacy



Original Color

55.8722, 38.6053, 88.5112



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

43.7047, 39.0146, 58.0504

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.8722, 38.6053, 88.5112 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(228, 129, 242)` looks like.

```
.text, #text, p{  
    color:rgb(228, 129, 242)  
}
```

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(228, 129, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 129, 242) }
```

Border

The CSS property to change the border of an element to XYZ 55.8722, 38.6053, 88.5112 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(228, 129, 242) }
```


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

```
.border{ border-color:rgb(228, 129, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 129, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 129, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 129, 242);  
box-shadow:4px 4px 4px 4px rgb(228, 129,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 55.8722, 38.6053, 88.5112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 129, 242) }
```

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

```
.background{ background-color: rgb(228,  
129, 242) }
```

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