

Converting Colors

XYZ(58.1441, 38.4617, 80.8197)

Have a look what the booklet for
XYZ(58.1441, 38.4617, 80.8197)
contains.

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Color

**XYZ(58.0208, 38.3782,
80.6936)**

Conversions

Conversions Part 1

Format	Color
Hex	F279E8
RGB	242, 121, 232
RGB Percent	95%, 47%, 91%
CMY	0.0510, 0.5255, 0.0902
CMYK	0.00, 0.50, 0.04, 0.05
HSL	305°, 82%, 71%
HSV	305°, 50%, 95%
XYZ	58.0208, 38.3782, 80.6936
YIQ	169.8330, 36.4850, 60.1730

Conversions

Conversions Part 2

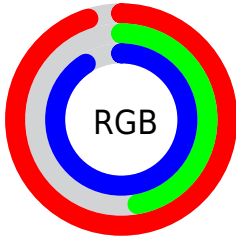
Format	Color
R _Y B	242, 121, 232
Decimal	15890920
CIE Lab	68.30, 60.79, -35.65
CIE LCh	68, 70.475, 329.613
Yxy	38.3782, 0.3276, 0.2167
Android (android.graphics.Color)	4294081000 (0xFFFF279E8)
YUV	169.8330, 30.6483, 63.2905
Hunter-Lab	61.9501, 58.7654, -33.8635

Details

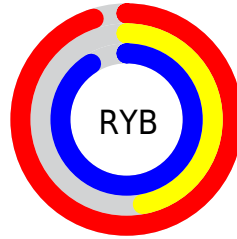
The XYZ color **58.0208, 38.3782, 80.6936** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **43.7357, 69.2093, 32.5288**, and the grayscale version is **37.9663, 39.9435, 43.4985**.

A 20% lighter version of the original color is **75.0121, 59.9243, 102.2207**, and **29.2552, 16.9825, 42.8103** is the 20% darker color. If you saturate the color by 10%, you get **55.1582, 33.1043, 78.3458**, and if you desaturate by 10%, it is **61.6268, 45.1319, 83.3058**.

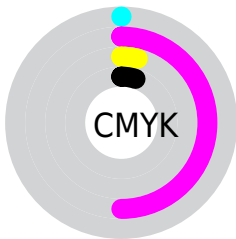
Distribution



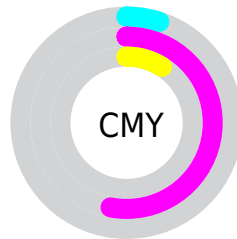
- Red (95%)
- Green (47%)
- Blue (91%)



- Red (95%)
- Yellow (47%)
- Blue (91%)



- Cyan (0%)
- Magenta (50%)
- Yellow (4%)
- Black (5%)





- Cyan (5%)
- Magenta (53%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.0208, 38.3782, 80.6936 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 58.0208, 38.3782, 80.6936 by changing the saturation by 10% instead.


 58.0208, 38.3782,
80.6936


 58.0208, 38.3782,
80.6936

407.2160,
339.2396, 517.0355


 42.0687, 26.2764,
59.7598


 101.0759, 72.6875,
136.1607

 29.3464, 17.0305,
42.8010


 128.9097, 95.6636,
171.5309

 19.4886, 10.2562,
29.3988


 161.4347,
123.0334, 212.5505

 12.1300, 5.5692,
19.1345

199.0163,
155.1811, 259.6378

 6.9051, 2.5849,
11.5897

242.0199,
192.4912, 313.2114

 3.4486, 0.9191,
6.3458

290.8108,

 1.3952, 0.0000,

235.3481, 373.6899

2.9843

345.7544,
284.1360, 441.4917

■ 0.2528, 0.0000,
1.0866

■ 0.0000, 0.0000,
0.0000

■ 58.0208, 38.3782,
80.6936

■ 58.0208, 38.3782,
80.6936

■ 55.1582, 33.1043,
78.3458

■ 61.6268, 45.1319,
83.3058

■ 52.9788, 29.1924,
76.2413


■ 66.0226, 53.4611,
86.1970


■ 51.4195, 26.5157,
74.3594


■ 71.2555, 63.4593,
89.3832


■ 50.4038, 24.9211,
72.6745


■ 77.3681, 75.2114,
92.8788


 49.8032, 24.1515,
71.1437


 84.3998, 88.7967,
96.6969

 49.8031, 24.1514,
71.1434

 88.7078, 96.9293,
99.6234

 89.0133, 97.0514,
101.2319

 89.3221, 97.1749,
102.8578

 89.6341, 97.2998,
104.5012

Harmonies

Analogous

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



48.0028, 38.3782, 120.0422



58.0208, 38.3782, 80.6936



62.0844, 38.3782, 42.1990

Triad

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



58.0208, 38.3782, 80.6936



36.6208, 38.3782, 5.7118



20.9614, 38.3782, 79.5964

Complementary

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



58.0208, 38.3782, 80.6936



43.7357, 69.2093, 32.5288

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.



19.1032, 38.3782, 41.3783



58.0208, 38.3782, 80.6936



26.9623, 38.3782, 8.0879

Square

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



58.0208, 38.3782, 80.6936



48.3014, 38.3782, 8.2260



21.0606, 38.3782, 17.9644



26.7599, 38.3782, 119.2148

Rectangle

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



58.0208, 38.3782, 80.6936



60.3461, 38.3782, 24.5240



21.0606, 38.3782, 17.9644



19.9143, 38.3782, 65.6927

Sweetspot

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



58.0221, 38.3800, 80.6944



83.5336, 77.7750, 102.5707



31.9296, 24.7599, 87.1017



17.5732, 16.0584, 21.7780



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.



58.0221, 38.3800, 80.6944



62.0716, 37.1948, 88.1912



51.0418, 35.5878, 43.9364



16.3946, 16.0076, 19.6342



26.7790, 12.9840, 38.3484



2.2443, 1.0868, 3.2773

Inverse Universe

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



58.0221, 38.3800, 80.6944



62.0716, 37.1948, 88.1912



48.8859, 71.2694, 59.6490



16.3946, 16.0076, 19.6342



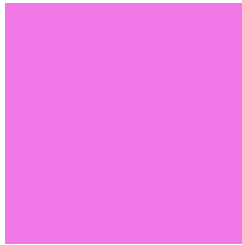
26.7790, 12.9840, 38.3484



2.2443, 1.0868, 3.2773

Previews

White Background



This preview shows how the XYZ color 58.0208, 38.3782, 80.6936 looks on a white background.

Color Contrast Check

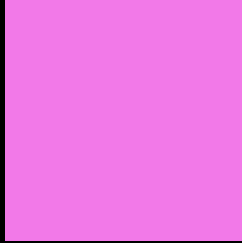
Large Text (above 18pt) WCAG AA × Fail

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 58.0208, 38.3782, 80.6936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

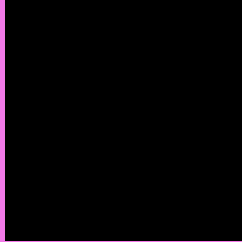
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.0208, 38.3782, 80.6936

Background



This preview shows how black text looks on a background with the XYZ color 58.0208, 38.3782, 80.6936.



This preview shows how white text looks on a background with the XYZ color 58.0208, 38.3782,

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

58.0208, 38.3782, 80.6936

Protanopia

41.1570, 38.8393, 99.9353

Deuteranopia

39.4925, 38.5120, 75.8731



Tritanopia

48.2427, 38.1463, 34.0985

Trichromacy



Original Color

58.0208, 38.3782, 80.6936



Protanomaly

44.6120, 36.7794, 92.7435



Deuteranomaly

44.2222, 36.9162, 77.4678



Tritanomaly

51.2178, 37.9032, 47.7966

Monochromacy



Original Color

58.0208, 38.3782, 80.6936



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

43.6188, 38.0425, 55.4960

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.0208, 38.3782, 80.6936 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(242, 121, 232)` looks like.

```
.text, #text, p{  
    color:rgb(242, 121, 232)  
}
```

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(242, 121, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 121, 232) }
```

Border

The CSS property to change the border of an element to XYZ 58.0208, 38.3782, 80.6936 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(242, 121, 232) }
```


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

```
.border{ border-color:rgb(242, 121, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 121, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 121, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 121, 232);  
box-shadow:4px 4px 4px 4px rgb(242, 121,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 58.0208, 38.3782, 80.6936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 121, 232) }
```

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

```
.background{ background-color: rgb(242,  
121, 232) }
```

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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