

Converting Colors

XYZ(58.8331, 40.9649, 87.2450)

Have a look what the booklet for
XYZ(58.8331, 40.9649, 87.2450)
contains.

XYZ(58.7078, 40.8992, 87.2382)	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(58.7078, 40.8992,
87.2382)**

Conversions

Conversions Part 1

Format	Color
Hex	EC85F0
RGB	236, 133, 240
RGB Percent	93%, 52%, 94%
CMY	0.0745, 0.4784, 0.0588
CMYK	0.02, 0.45, 0.00, 0.06
HSL	298°, 78%, 73%
HSV	298°, 45%, 94%
XYZ	58.7078, 40.8992, 87.2382
YIQ	175.9950, 27.0410, 55.1130

Conversions

Conversions Part 2

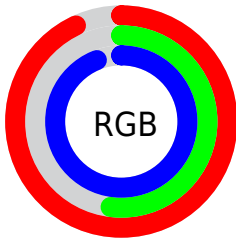
Format	Color
R _Y B	236, 133, 240
Decimal	15500784
CIE Lab	70.11, 54.67, -37.30
CIE LCh	70, 66.185, 325.697
Yxy	40.8992, 0.3142, 0.2189
Android (android.graphics.Color)	4293690864 (0xFFEC85F0)
YUV	175.9950, 31.5545, 52.6244
Hunter-Lab	63.9525, 51.9445, -36.1113

Details

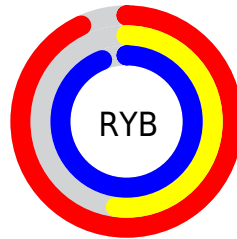
The XYZ color **58.7078, 40.8992, 87.2382** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **45.7116, 69.3330, 33.1656**, and the grayscale version is **41.0965, 43.2367, 47.0848**.

A 20% lighter version of the original color is **77.4876, 64.8752, 103.0459**, and **29.8078, 18.5176, 47.3506** is the 20% darker color. If you saturate the color by 10%, you get **55.4930, 34.9097, 86.2521**, and if you desaturate by 10%, it is **62.6774, 48.3942, 88.4762**.

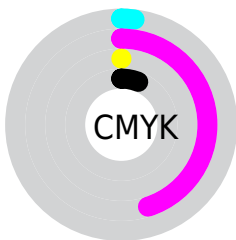
Distribution



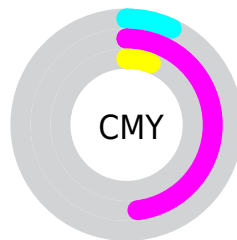
- Red (93%)
- Green (52%)
- Blue (94%)



- Red (93%)
- Yellow (52%)
- Blue (94%)



- Cyan (2%)
- Magenta (45%)
- Yellow (0%)
- Black (6%)





- Cyan (7%)
- Magenta (48%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.7078, 40.8992, 87.2382 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 58.7078, 40.8992, 87.2382 by changing the saturation by 10% instead.


 58.7078, 40.8992,
87.2382

 58.7078, 40.8992,
87.2382


409.7297,
349.8991, 539.3418


 42.6234, 28.2403,
65.1316

 102.0699, 76.5309,
145.3979

 29.7830, 18.5069,
47.1158


 130.0784,
100.2724, 182.2881

 19.8212, 11.3145,
32.7722


 162.7922,
128.4770, 224.9432

 12.3726, 6.2788,
21.6823

200.5768,
161.5290, 273.7818

 7.0720, 3.0153,
13.4276

243.7975,
199.8129, 329.2224

 3.5539, 1.1397,
7.5894

292.8196,

 1.4530, 0.0117,

243.7129, 391.6836

3.7494

348.0086,
293.6135, 461.5839

■ 0.2935, 0.0000,
1.4889

■ 0.0000, 0.0000,
0.2096

■ 58.7078, 40.8992,
87.2382

■ 58.7078, 40.8992,
87.2382

■ 55.4930, 34.9097,
86.2521

■ 62.6774, 48.3942,
88.4762

■ 52.9771, 30.3167,
85.4982

■ 67.4447, 57.4831,
89.9793

■ 51.1031, 27.0053,
84.9578

■ 73.0539, 68.2539,
91.7627

■ 49.8032, 24.8399,
84.6083

■ 79.5453, 80.7867,
93.8396

■ 48.9943, 23.6543,
84.4221

■ 86.9561, 95.1561,
96.2226

■ 48.6931, 23.2853,
84.3668

■ 87.8951, 96.5797,
96.4479

■ 88.2028, 96.7383,
96.4623

■ 88.5119, 96.8977,
96.4767

■ 88.8226, 97.0578,
96.4913

Harmonies

Analogous

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



48.6063, 40.8992, 122.6491



58.7078, 40.8992, 87.2382



63.5177, 40.8992, 49.1523

Triad

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



58.7078, 40.8992, 87.2382



40.4548, 40.8992, 7.6311



22.9837, 40.8992, 75.6721

Complementary

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



58.7078, 40.8992, 87.2382



45.7116, 69.3330, 33.1656

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.



21.6046, 40.8992, 40.2112



58.7078, 40.8992, 87.2382



30.5352, 40.8992, 9.5362

Square

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



58.7078, 40.8992, 87.2382



51.8111, 40.8992, 11.2269



24.1005, 40.8992, 18.6933



28.2916, 40.8992, 114.0763

Rectangle

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



58.7078, 40.8992, 87.2382



62.5283, 40.8992, 30.2839



24.1005, 40.8992, 18.6933



22.0929, 40.8992, 62.6678

Sweetspot

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



58.7092, 40.9010, 87.2391



84.9171, 80.4087, 105.6526



34.5415, 29.5573, 86.3233



17.8449, 16.5735, 22.5084



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.



58.7092, 40.9010, 87.2391



64.1544, 40.9314, 99.1270



53.8218, 39.1012, 54.4943



16.3924, 15.9995, 19.9459



26.6816, 12.7603, 46.1846



2.2378, 1.0709, 3.8430

Inverse Universe

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



48.8394, 37.1082, 28.2571



51.6338, 36.1350, 23.6224



49.1903, 70.6501, 54.8428



15.7967, 15.7684, 16.4859



19.7091, 10.1561, 1.1186



1.6480, 0.8482, 0.1371

Previews

White Background



This preview shows how the XYZ color 58.7078, 40.8992, 87.2382 looks on a white background.

Color Contrast Check

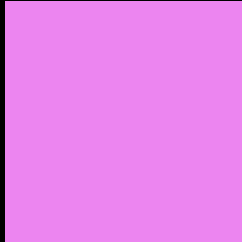
Large Text (above 18pt) WCAG AA × Fail

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 58.7078, 40.8992, 87.2382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

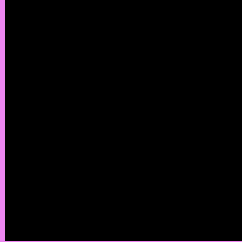
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.7078, 40.8992, 87.2382

Background



This preview shows how black text looks on a background with the XYZ color 58.7078, 40.8992, 87.2382.



This preview shows how white text looks on a background with the XYZ color 58.7078, 40.8992,

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

58.7078, 40.8992, 87.2382

Protanopia

43.3933, 41.3467, 100.3014

Deuteranopia

42.0328, 41.0314, 82.7953



Tritanopia

48.9522, 40.9106, 39.4989

Trichromacy



Original Color

58.7078, 40.8992, 87.2382



Protanomaly

47.0483, 39.9092, 95.6660



Deuteranomaly

46.5572, 39.9003, 84.6046



Tritanomaly

51.9006, 40.4872, 53.7945

Monochromacy



Original Color

58.7078, 40.8992, 87.2382



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

46.1683, 41.2709, 59.5656

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.7078, 40.8992, 87.2382 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(236, 133, 240)` looks like.

```
.text, #text, p{  
    color:rgb(236, 133, 240)  
}
```

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(236, 133, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 133, 240) }
```

Border

The CSS property to change the border of an element to XYZ 58.7078, 40.8992, 87.2382 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(236, 133, 240) }
```


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

```
.border{ border-color:rgb(236, 133, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 133, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 133, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 133, 240);  
box-shadow:4px 4px 4px 4px rgb(236, 133,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 58.7078, 40.8992, 87.2382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 133, 240) }
```

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

```
.background{ background-color: rgb(236,  
133, 240) }
```

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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