

Converting Colors

XYZ(59.2717, 41.2198, 86.0166)

Have a look what the booklet for
XYZ(59.2717, 41.2198, 86.0166)
contains.

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Color

**XYZ(59.0800, 41.1252,
85.7130)**

Conversions

Conversions Part 1

Format	Color
Hex	EE85EE
RGB	238, 133, 238
RGB Percent	93%, 52%, 93%
CMY	0.0667, 0.4784, 0.0667
CMYK	0.00, 0.44, 0.00, 0.07
HSL	300°, 76%, 73%
HSV	300°, 44%, 93%
XYZ	59.0800, 41.1252, 85.7130
YIQ	176.3650, 28.8750, 54.9150

Conversions

Conversions Part 2

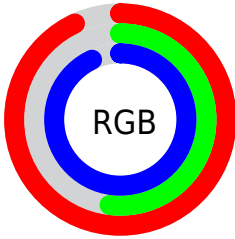
Format	Color
R _Y B	238, 133, 238
Decimal	15631854
CIE Lab	70.26, 54.89, -35.94
CIE LCh	70, 65.607, 326.786
Yxy	41.1252, 0.3178, 0.2212
Android (android.graphics.Color)	4293821934 (0xFFEE85EE)
YUV	176.3650, 30.3861, 54.0539
Hunter-Lab	64.1289, 52.2209, -34.3552

Details

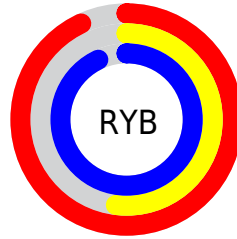
The XYZ color **59.0800, 41.1252, 85.7130** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **44.4828, 67.8306, 32.9407**, and the grayscale version is **41.2943, 43.4448, 47.3114**.

A 20% lighter version of the original color is **77.4876, 64.8752, 103.0459**, and **30.0619, 18.6727, 46.2757** is the 20% darker color. If you saturate the color by 10%, you get **56.1837, 35.3316, 84.7478**, and if you desaturate by 10%, it is **62.7172, 48.3987, 86.9259**.

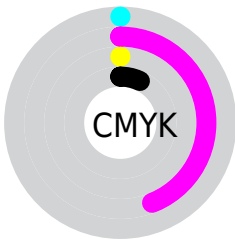
Distribution



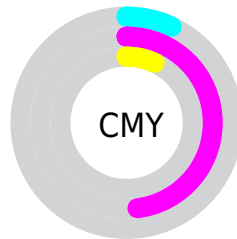
- Red (93%)
- Green (52%)
- Blue (93%)



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



- Cyan (0%)
- Magenta (44%)
- Yellow (0%)
- Black (7%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.0800, 41.1252, 85.7130 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 59.0800, 41.1252, 85.7130 by changing the saturation by 10% instead.


 59.0800, 41.1252,
85.7130


 59.0800, 41.1252,
85.7130

411.0876,
350.8436, 534.1904


 42.9241, 28.4169,
63.8771

 102.6079, 76.8739,
143.2519

 30.0199, 18.6402,
46.1056


 130.7106,
100.6831, 179.7920

 20.0018, 11.4106,
31.9799


 163.5264,
128.9615, 222.0707

 12.5046, 6.3437,
21.0815

201.4205,
162.0933, 270.5064

 7.1630, 3.0552,
12.9917

244.7583,
200.4631, 325.5176

 3.6115, 1.1606,
7.2922

293.9052,

 1.4848, 0.0292,

244.4551, 387.5230

3.5643

349.2265,
294.4538, 456.9411

■ 0.3154, 0.0000,
1.3895

■ 0.0000, 0.0000,
0.1335

■ 59.0800, 41.1252,
85.7130

■ 59.0800, 41.1252,
85.7130

■ 56.1837, 35.3316,
84.7478

■ 62.7172, 48.3987,
86.9259

■ 53.9736, 30.9114,
84.0110


■ 67.1370, 57.2381,
88.3993


■ 52.3943, 27.7529,
83.4844


■ 72.3827, 67.7294,
90.1480


■ 51.3799, 25.7242,
83.1462


■ 78.4933, 79.9508,
92.1850


 50.8501, 24.6646,
82.9695


 85.5056, 93.9752,
94.5226

 50.6930, 24.3504,
82.9170

 86.4533, 95.8706,
94.8386

 86.4533, 95.8706,
94.8387

 86.4533, 95.8706,
94.8389

 86.4534, 95.8706,
94.8390

Harmonies

Analogous

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



49.1738, 41.1252, 121.2424



59.0800, 41.1252, 85.7130



63.5998, 41.1252, 48.1839

Triad

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



59.0800, 41.1252, 85.7130



40.2600, 41.1252, 7.8460



23.3741, 41.1252, 77.1432

Complementary

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



59.0800, 41.1252, 85.7130



44.4828, 67.8306, 32.9407

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.



21.8555, 41.1252, 41.5371



59.0800, 41.1252, 85.7130



30.4856, 41.1252, 9.9759

Square

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



59.0800, 41.1252, 85.7130



51.5530, 41.1252, 11.2475



24.2073, 41.1252, 19.5303



28.8145, 41.1252, 114.9014

Rectangle

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



59.0800, 41.1252, 85.7130



62.4324, 41.1252, 29.7528



24.2073, 41.1252, 19.5303



22.4368, 41.1252, 64.1639

Sweetspot

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



59.0814, 41.1270, 85.7139



85.3714, 80.6429, 105.6736



33.4948, 27.9367, 84.5170



17.9586, 16.6321, 22.5137



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.



59.0814, 41.1270, 85.7139



65.9883, 41.8768, 99.2120



52.4589, 38.4780, 50.8402



16.4543, 16.0314, 19.9487



28.2812, 13.5849, 46.2587



2.3527, 1.1301, 3.8483

Inverse Universe

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



59.0814, 41.1270, 85.7139



65.9883, 41.8768, 99.2120



49.0589, 69.6610, 57.0383



16.4543, 16.0314, 19.9487



28.2812, 13.5849, 46.2587



2.3527, 1.1301, 3.8483

Previews

White Background



This preview shows how the XYZ color 59.0800, 41.1252, 85.7130 looks on a white background.

Color Contrast Check

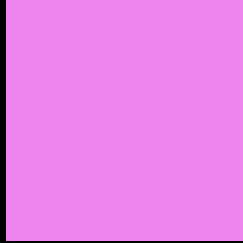
Large Text (above 18pt) WCAG AA × Fail

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 59.0800, 41.1252, 85.7130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

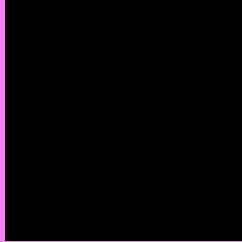
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.0800, 41.1252, 85.7130

Background



This preview shows how black text looks on a background with the XYZ color 59.0800, 41.1252, 85.7130.



This preview shows how white text looks on a background with the XYZ color 59.0800, 41.1252,

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

59.0800, 41.1252, 85.7130

Protanopia

43.5657, 41.4356, 100.3094

Deuteranopia

42.5088, 41.5869, 81.3879



Tritanopia

49.4228, 40.9153, 39.4750

Trichromacy



Original Color

59.0800, 41.1252, 85.7130



Protanomaly

47.3474, 40.0815, 94.8635



Deuteranomaly

47.1580, 40.4936, 83.1724



Tritanomaly

52.5462, 40.8200, 53.8248

Monochromacy



Original Color

59.0800, 41.1252, 85.7130



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

46.4328, 41.4072, 59.5780

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.0800, 41.1252, 85.7130 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(238, 133, 238)` looks like.

```
.text, #text, p{  
    color:rgb(238, 133, 238)  
}
```

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(238, 133, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 133, 238) }
```

Border

The CSS property to change the border of an element to XYZ 59.0800, 41.1252, 85.7130 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(238, 133, 238) }
```


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

```
.border{ border-color:rgb(238, 133, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 133, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 133, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 133, 238);  
box-shadow:4px 4px 4px 4px rgb(238, 133,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 59.0800, 41.1252, 85.7130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 133, 238) }
```

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

```
.background{ background-color: rgb(238,  
133, 238) }
```

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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