

Converting Colors

XYZ(59.2169, 40.7494, 91.2112)

Have a look what the booklet for
XYZ(59.2169, 40.7494, 91.2112)
contains.

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Color

**XYZ(59.1898, 40.6580,
91.1143)**

Conversions

Conversions Part 1

Format	Color
Hex	EC83F5
RGB	236, 131, 245
RGB Percent	93%, 51%, 96%
CMY	0.0745, 0.4863, 0.0392
CMYK	0.04, 0.47, 0.00, 0.04
HSL	295°, 85%, 74%
HSV	295°, 47%, 96%
XYZ	59.1898, 40.6580, 91.1143
YIQ	175.3910, 25.9860, 57.7140

Conversions

Conversions Part 2

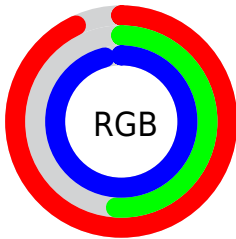
Format	Color
R _{YB}	236, 131, 245
Decimal	15500277
CIE Lab	69.94, 56.57, -40.30
CIE LCh	70, 69.456, 324.530
Yxy	40.6580, 0.3100, 0.2129
Android (android.graphics.Color)	4293690357 (0xFFEC83F5)
YUV	175.3910, 34.3172, 53.1541
Hunter-Lab	63.7636, 54.1097, -40.0872

Details

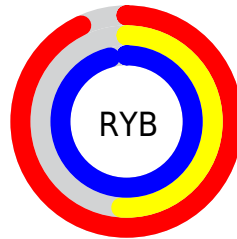
The XYZ color **59.1898, 40.6580, 91.1143** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **47.5656, 72.5199, 32.9653**, and the grayscale version is **40.7696, 42.8928, 46.7103**.

A 20% lighter version of the original color is **77.0603, 64.0206, 102.9034**, and **30.0911, 18.4036, 49.5432** is the 20% darker color. If you saturate the color by 10%, you get **55.6417, 34.5090, 90.1150**, and if you desaturate by 10%, it is **63.5255, 48.3699, 92.3749**.

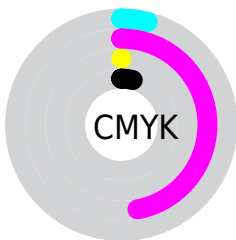
Distribution



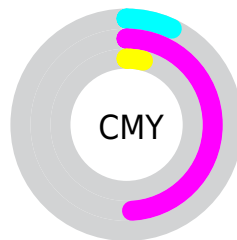
- Red (93%)
- Green (51%)
- Blue (96%)



- Red (93%)
- Yellow (51%)
- Blue (96%)



- Cyan (4%)
- Magenta (47%)
- Yellow (0%)
- Black (4%)





- Cyan (7%)
- Magenta (49%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.1898, 40.6580, 91.1143 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 59.1898, 40.6580, 91.1143 by changing the saturation by 10% instead.


 59.1898, 40.6580,
91.1143

 59.1898, 40.6580,
91.1143

411.4877,
348.8892, 552.3124


 43.0129, 28.0519,
68.3263

 102.7665, 76.1645,
150.8343

 30.0898, 18.3648,
49.6949


 130.8970, 99.8336,
188.6033

 20.0552, 11.2122,
34.8015


 163.7428,
127.9593, 232.2031

 12.5436, 6.2098,
23.2277

201.6691,
160.9259, 282.0522

 7.1899, 2.9731,
14.5549

245.0415,
199.1178, 338.5691

 3.6285, 1.1177,
8.3644

294.2251,

 1.4942, 0.0000,

242.9194, 402.1724

4.2379

349.5854,
292.7151, 473.2807

■ 0.3219, 0.0000,
1.7568

■ 0.0000, 0.0000,
0.3992

■ 59.1898, 40.6580,
91.1143

■ 59.1898, 40.6580,
91.1143

■ 55.6417, 34.5090,
90.1150

■ 63.5255, 48.3699,
92.3749

■ 52.8214, 29.8062,
89.3559


■ 68.6949, 57.7398,
93.9110

■ 50.6670, 26.4251,
88.8169


■ 74.7454, 68.8616,
95.7389


■ 49.1048, 24.2181,
88.4732


■ 81.7197, 81.8205,
97.8726


 48.0420, 22.9997,
88.2940


 89.6577, 96.6964,
100.3256

 47.7391, 22.7065,
88.2534

 90.8134, 97.9972,
100.5157

 91.5013, 98.3518,
100.5479

 92.1963, 98.7100,
100.5804

 92.8983, 99.0720,
100.6133

Harmonies

Analogous

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



48.3903, 40.6580, 128.4960



59.1898, 40.6580, 91.1143



64.5742, 40.6580, 50.4734

Triad

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



59.1898, 40.6580, 91.1143



40.7537, 40.6580, 6.7169



22.0495, 40.6580, 75.4740

Complementary

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



59.1898, 40.6580, 91.1143



47.5656, 72.5199, 32.9653

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.



20.7925, 40.6580, 38.5963



59.1898, 40.6580, 91.1143



30.3034, 40.6580, 8.3519

Square

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



59.1898, 40.6580, 91.1143



52.6809, 40.6580, 10.4601



23.5059, 40.6580, 17.0792



27.3526, 40.6580, 116.7946

Rectangle

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



59.1898, 40.6580, 91.1143



63.7382, 40.6580, 30.4150



23.5059, 40.6580, 17.0792



21.1895, 40.6580, 61.7984

Sweetspot

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



59.1912, 40.6598, 91.1152



83.6706, 78.7691, 105.4018



35.2944, 30.3224, 90.3793



17.5726, 16.2370, 22.4578



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.



59.1912, 40.6598, 91.1152



61.0799, 38.0369, 98.7303



55.9092, 39.7009, 57.8420



17.0770, 16.6979, 20.8655



25.7728, 12.2607, 47.5462



2.3028, 1.0970, 4.1806

Inverse Universe

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



50.5073, 37.5402, 29.3964



50.6611, 34.3345, 22.8515



50.1000, 73.3656, 53.9053



16.5522, 16.5037, 17.3885



20.3702, 10.4915, 1.3920



1.8083, 0.9293, 0.2170

Previews

White Background



This preview shows how the XYZ color 59.1898, 40.6580, 91.1143 looks on a white background.

Color Contrast Check

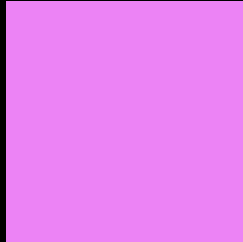
Large Text (above 18pt) WCAG AA × Fail

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 59.1898, 40.6580, 91.1143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

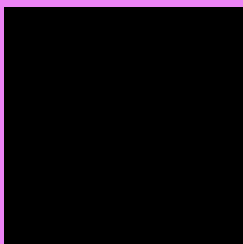
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.1898, 40.6580, 91.1143

Background



This preview shows how black text looks on a background with the XYZ color 59.1898, 40.6580, 91.1143.



This preview shows how white text looks on a background with the XYZ color 59.1898, 40.6580,

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

59.1898, 40.6580, 91.1143

Protanopia

43.2225, 41.2587, 100.2934

Deuteranopia

42.0150, 40.9385, 86.5764



Tritanopia

48.4793, 40.4289, 39.4308

Trichromacy



Original Color

59.1898, 40.6580, 91.1143



Protanomaly

47.0384, 39.6378, 96.4385



Deuteranomaly

46.6546, 39.6173, 88.4070



Tritanomaly

51.6500, 40.1087, 54.8887

Monochromacy



Original Color

59.1898, 40.6580, 91.1143



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

45.8494, 40.8367, 60.1093

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.1898, 40.6580, 91.1143 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, 131, 245)` looks like.

```
.text, #text, p{  
    color:rgb(236, 131, 245)  
}
```

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, 131, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 131, 245) }
```

Border

The CSS property to change the border of an element to XYZ 59.1898, 40.6580, 91.1143 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, 131, 245) }
```


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

```
.border{ border-color:rgb(236, 131, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 131, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 131, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 131, 245);  
box-shadow:4px 4px 4px 4px rgb(236, 131,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 59.1898, 40.6580, 91.1143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 131, 245) }
```

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

```
.background{ background-color: rgb(236,  
131, 245) }
```

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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