

Converting Colors

XYZ(59.1361, 40.7494, 90.5196)

Have a look what the booklet for
XYZ(59.1361, 40.7494, 90.5196)
contains.

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Color

**XYZ(59.1725, 40.8670,
90.3573)**

Conversions

Conversions Part 1

Format	Color
Hex	EC84F4
RGB	236, 132, 244
RGB Percent	93%, 52%, 96%
CMY	0.0745, 0.4823, 0.0431
CMYK	0.03, 0.46, 0.00, 0.04
HSL	296°, 84%, 74%
HSV	296°, 46%, 96%
XYZ	59.1725, 40.8670, 90.3573
YIQ	175.8640, 26.0320, 56.8800

Conversions

Conversions Part 2

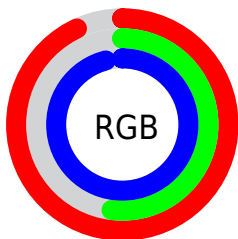
Format	Color
R _Y B	236, 132, 244
Decimal	15500532
CIE Lab	70.08, 55.89, -39.53
CIE LCh	70, 68.456, 324.732
Yxy	40.8670, 0.3108, 0.2146
Android (android.graphics.Color)	4293690612 (0xFFEC84F4)
YUV	175.8640, 33.5910, 52.7393
Hunter-Lab	63.9273, 53.3507, -39.0536

Details

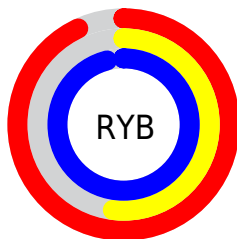
The XYZ color **59.1725, 40.8670, 90.3573** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **47.3319, 71.9436, 33.2235**, and the grayscale version is **41.0185, 43.1546, 46.9954**.

A 20% lighter version of the original color is **77.2732, 64.4464, 102.9744**, and **30.0541, 18.5016, 49.0008** is the 20% darker color. If you saturate the color by 10%, you get **55.6671, 34.7100, 89.3542**, and if you desaturate by 10%, it is **63.4600, 48.5778, 91.6203**.

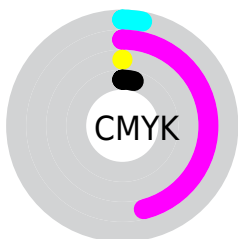
Distribution



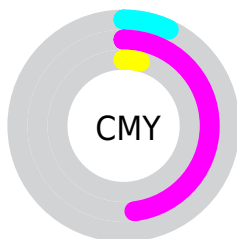
- Red (93%)
- Green (52%)
- Blue (96%)



- Red (93%)
- Yellow (52%)
- Blue (96%)



- Cyan (3%)
- Magenta (46%)
- Yellow (0%)
- Black (4%)





- Cyan (7%)
- Magenta (48%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.1725, 40.8670, 90.3573 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 59.1725, 40.8670, 90.3573 by changing the saturation by 10% instead.


 59.1725, 40.8670,
90.3573

 59.1725, 40.8670,
90.3573


411.4247,
349.7644, 549.7925


 42.9989, 28.2152,
67.7016

 102.7415, 76.4820,
149.7745

 30.0788, 18.4879,
49.1899


 130.8677,
100.2139, 187.3730

 20.0468, 11.3009,
34.4035


 163.7087,
128.4079, 230.7897

 12.5375, 6.2696,
22.9239

201.6300,
161.4486, 280.4429

 7.1856, 3.0097,
14.3325

244.9969,
199.7201, 336.7512

 3.6258, 1.1368,
8.2109

294.1747,

 1.4927, 0.0091,

243.6070, 400.1333

4.1405

349.5288,
293.4937, 471.0075

■ 0.3209, 0.0000,
1.7027

■ 0.0000, 0.0000,
0.3626

■ 59.1725, 40.8670,
90.3573

■ 59.1725, 40.8670,
90.3573

■ 55.6671, 34.7100,
89.3542

■ 63.4600, 48.5778,
91.6203

■ 52.8849, 29.9920,
88.5902


■ 68.5749, 57.9359,
93.1570


■ 50.7653, 26.5909,
88.0454


■ 74.5639, 69.0339,
94.9834


■ 49.2360, 24.3622,
87.6959


■ 81.4690, 81.9557,
97.1137


 48.2075, 23.1268,
87.5116


 89.3297, 96.7800,
99.5607

 47.8736, 22.7934,
87.4649

 90.2561, 97.7274,
99.6948

 90.8718, 98.0448,
99.7236

 91.4932, 98.3652,
99.7527

 92.1204, 98.6885,
99.7820

Harmonies

Analogous

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



48.5494, 40.8670, 127.1203



59.1725, 40.8670, 90.3573



64.4247, 40.8670, 50.3935

Triad

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



59.1725, 40.8670, 90.3573



40.8505, 40.8670, 7.0345



22.4053, 40.8670, 75.5471

Complementary

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



59.1725, 40.8670, 90.3573



47.3319, 71.9436, 33.2235

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.



21.1270, 40.8670, 39.0798



59.1725, 40.8670, 90.3573



30.5248, 40.8670, 8.7301

Square

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



59.1725, 40.8670, 90.3573



52.6258, 40.8670, 10.7815



23.8012, 40.8670, 17.5733



27.7047, 40.8670, 116.0743

Rectangle

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



59.1725, 40.8670, 90.3573



63.5655, 40.8670, 30.6047



23.8012, 40.8670, 17.5733



21.5400, 40.8670, 62.0625

Sweetspot

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



59.1739, 40.8688, 90.3582



83.7680, 78.8193, 105.4063



35.4205, 30.5872, 89.6256



17.5966, 16.2494, 22.4590



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.



59.1739, 40.8688, 90.3582



61.8026, 38.8340, 98.8461



55.6770, 39.7837, 57.7698



17.0900, 16.7045, 20.8661



26.0805, 12.4193, 47.5606



2.3266, 1.1092, 4.1817

Inverse Universe

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



50.2943, 37.6307, 29.4250



51.0290, 34.9392, 23.3784



49.9707, 72.8491, 53.9005



16.5471, 16.5017, 17.3618



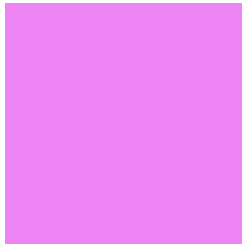
20.3607, 10.4877, 1.3420



1.8059, 0.9283, 0.2043

Previews

White Background



This preview shows how the XYZ color 59.1725, 40.8670, 90.3573 looks on a white background.

Color Contrast Check

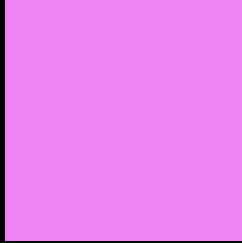
Large Text (above 18pt) WCAG AA × Fail

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 59.1725, 40.8670, 90.3573 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

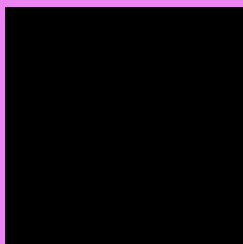
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.1725, 40.8670, 90.3573

Background



This preview shows how black text looks on a background with the XYZ color 59.1725, 40.8670, 90.3573.



This preview shows how white text looks on a background with the XYZ color 59.1725, 40.8670,

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

59.1725, 40.8670, 90.3573

Protanopia

43.3933, 41.3467, 100.3014

Deuteranopia

42.2385, 41.3479, 85.8755



Tritanopia

48.6395, 40.7494, 39.4843

Trichromacy



Original Color

59.1725, 40.8670, 90.3573



Protanomaly

47.2055, 39.9721, 96.4942



Deuteranomaly

46.6727, 39.8920, 87.6781



Tritanomaly

51.8008, 40.4103, 54.9389

Monochromacy



Original Color

59.1725, 40.8670, 90.3573



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

46.4021, 41.3644, 60.7968

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.1725, 40.8670, 90.3573 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, 132, 244)` looks like.

```
.text, #text, p{  
    color:rgb(236, 132, 244)  
}
```

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, 132, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 132, 244) }
```

Border

The CSS property to change the border of an element to XYZ 59.1725, 40.8670, 90.3573 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, 132, 244) }
```


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

```
.border{ border-color:rgb(236, 132, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 132, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 132, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 132, 244);  
box-shadow:4px 4px 4px 4px rgb(236, 132,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 59.1725, 40.8670, 90.3573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 132, 244) }
```

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

```
.background{ background-color: rgb(236,  
132, 244) }
```

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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