

Converting Colors

XYZ(56.0366, 40.6349, 83.0489)

Have a look what the booklet for
XYZ(56.0366, 40.6349, 83.0489)
contains.

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Color

**XYZ(55.9347, 40.6115,
82.7326)**

Conversions

Conversions Part 1

Format	Color
Hex	E48AEA
RGB	228, 138, 234
RGB Percent	89%, 54%, 92%
CMY	0.1059, 0.4588, 0.0823
CMYK	0.03, 0.41, 0.00, 0.08
HSL	296°, 70%, 73%
HSV	296°, 41%, 92%
XYZ	55.9347, 40.6115, 82.7326
YIQ	175.8540, 22.8240, 48.9360

Conversions

Conversions Part 2

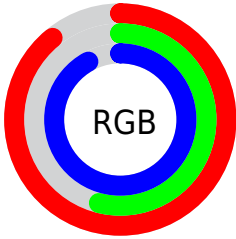
Format	Color
R _Y B	228, 138, 234
Decimal	14977770
CIE Lab	69.90, 48.73, -34.39
CIE LCh	70, 59.647, 324.787
Yxy	40.6115, 0.3120, 0.2265
Android (android.graphics.Color)	4293167850 (0xFFE48AEA)
YUV	175.8540, 28.6660, 45.7320
Hunter-Lab	63.7272, 45.1508, -32.3631

Details

The XYZ color **55.9347, 40.6115, 82.7326** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **45.5132, 66.6109, 34.5051**, and the grayscale version is **41.0393, 43.1765, 47.0192**.

A 20% lighter version of the original color is **78.3600, 66.6199, 103.3367**, and **28.0790, 18.3693, 44.1852** is the 20% darker color. If you saturate the color by 10%, you get **52.4706, 34.3683, 81.7107**, and if you desaturate by 10%, it is **60.1286, 48.3067, 83.9975**.

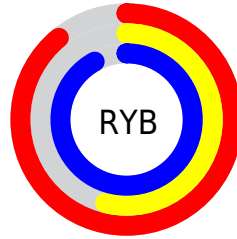
Distribution



Red (89%)

Green (54%)

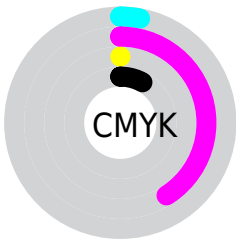
Blue (92%)



Red (89%)

Yellow (54%)

Blue (92%)

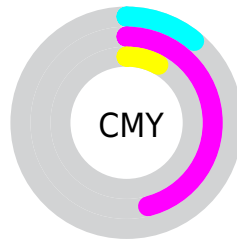


Cyan (3%)

Magenta (41%)

Yellow (0%)

Black (8%)



Cyan (11%)


Magenta (46%)

Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.9347, 40.6115, 82.7326 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 55.9347, 40.6115, 82.7326 by changing the saturation by 10% instead.


 55.9347, 40.6115,
82.7326

 55.9347, 40.6115,
82.7326


399.5244,
348.6943, 524.0426


 40.3874, 28.0156,
61.4303

 98.0495, 76.0938,
139.0468

 28.0263, 18.3375,
44.1397

 125.3476, 99.7490,
174.8957

 18.4860, 11.1925,
30.4423


 157.2934,
127.8595, 216.4305

 11.4013, 6.1965,
19.9197

194.2522,
160.8096, 264.0698

 6.4067, 2.9649,
12.1532

236.5893,
198.9837, 318.2321

 3.1369, 1.1134,
6.7243

284.6701,

 1.2266, 0.0000,

242.7663, 379.3360

3.2144

338.8600,
292.5417, 447.8000

■ 0.1272, 0.0000,
1.2052

■ 0.0000, 0.0000,
0.0000

■ 55.9347, 40.6115,
82.7326

■ 55.9347, 40.6115,
82.7326

■ 52.4706, 34.3683,
81.7107

■ 60.1286, 48.3067,
83.9975

■ 49.6854, 29.4778,
80.9135

■ 65.0909, 57.5338,
85.5169

■ 47.5279, 25.8370,
80.3245

■ 70.8624, 68.3735,
87.3050

■ 45.9381, 23.3259,
79.9236

■ 77.4799, 80.8992,
89.3739

44.8441, 21.8006,
79.6869

84.9759, 95.1761,
91.7346

44.1785, 21.0592,
79.5788

85.4616, 95.4265,
91.7573

85.9513, 95.6789,
91.7802

86.4450, 95.9334,
91.8033

86.9426, 96.1900,
91.8266

Harmonies

Analogous

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



46.9607, 40.6115, 112.6174



55.9347, 40.6115, 82.7326



60.3168, 40.6115, 49.2533

Triad

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



55.9347, 40.6115, 82.7326



40.3200, 40.6115, 9.5007



24.0203, 40.6115, 70.6112

Complementary

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



55.9347, 40.6115, 82.7326



45.5132, 66.6109, 34.5051

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.



22.8437, 40.6115, 39.5400



55.9347, 40.6115, 82.7326



31.2957, 40.6115, 11.2887

Square

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



55.9347, 40.6115, 82.7326



50.3867, 40.6115, 13.3571



25.2771, 40.6115, 20.0131



28.8117, 40.6115, 103.8045

Rectangle

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



55.9347, 40.6115, 82.7326



59.5918, 40.6115, 31.9375



25.2771, 40.6115, 20.0131



23.2269, 40.6115, 59.3035

Sweetspot

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



55.9361, 40.6133, 82.7335



85.3532, 81.6457, 105.8683



35.3682, 31.4137, 82.0418



18.0627, 17.0868, 22.5960



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.



55.9361, 40.6133, 82.7335



64.4646, 43.0076, 99.5114



52.5803, 39.4947, 54.9554



15.6164, 15.2631, 19.0452



24.8661, 11.8549, 44.7206



1.9808, 0.9454, 3.5130

Inverse Universe

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



48.0555, 37.6848, 31.1284



53.8065, 39.0695, 28.6963



48.1030, 67.5289, 53.4675



15.1036, 15.0693, 15.8311



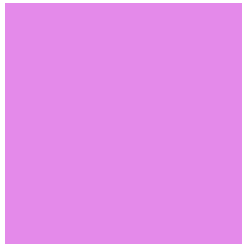
19.1300, 9.8547, 1.2201



1.5156, 0.7792, 0.1666

Previews

White Background



This preview shows how the XYZ color 55.9347, 40.6115, 82.7326 looks on a white background.

Color Contrast Check

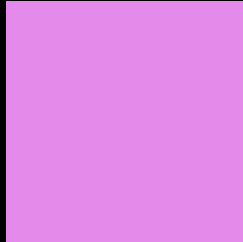
Large Text (above 18pt) WCAG AA × Fail

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 55.9347, 40.6115, 82.7326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

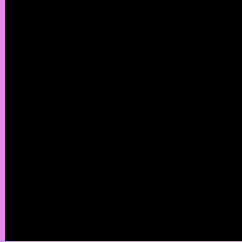
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.9347, 40.6115, 82.7326

Background



This preview shows how black text looks on a background with the XYZ color 55.9347, 40.6115, 82.7326.



This preview shows how white text looks on a background with the XYZ color 55.9347, 40.6115,

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

55.9347, 40.6115, 82.7326

Protanopia

43.2080, 40.9760, 100.2396

Deuteranopia

41.9019, 41.0453, 79.1129



Tritanopia

47.3962, 40.5591, 40.9280

Trichromacy



Original Color

55.9347, 40.6115, 82.7326



Protanomaly

46.0791, 39.7136, 93.2325



Deuteranomaly

45.8012, 40.1120, 80.1913



Tritanomaly

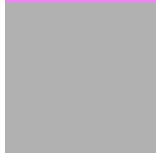
50.0084, 40.4271, 53.8827

Monochromacy



Original Color

55.9347, 40.6115, 82.7326



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

45.5041, 41.4740, 58.4303

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.9347, 40.6115, 82.7326 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(228, 138, 234)` looks like.

```
.text, #text, p{  
    color:rgb(228, 138, 234)  
}
```

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(228, 138, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 138, 234) }
```

Border

The CSS property to change the border of an element to XYZ 55.9347, 40.6115, 82.7326 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(228, 138, 234) }
```


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

```
.border{ border-color:rgb(228, 138, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 138, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 138, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 138, 234); box-shadow:4px 4px 4px 4px rgb(228, 138, 234) }
```

Background

The CSS property to change the background color of an element to XYZ 55.9347, 40.6115, 82.7326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 138, 234) }
```

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

```
.background{ background-color: rgb(228,  
138, 234) }
```

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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