

Converting Colors

XYZ(55.7358, 41.5145, 79.5708)

Have a look what the booklet for
XYZ(55.7358, 41.5145, 79.5708)
contains.

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Color

**XYZ(55.6345, 41.3901,
79.9197)**

Conversions

Conversions Part 1

Format	Color
Hex	E38EE6
RGB	227, 142, 230
RGB Percent	89%, 56%, 90%
CMY	0.1098, 0.4431, 0.0980
CMYK	0.01, 0.38, 0.00, 0.10
HSL	298°, 64%, 73%
HSV	298°, 38%, 90%
XYZ	55.6345, 41.3901, 79.9197
YIQ	177.4470, 22.4120, 45.3880

Conversions

Conversions Part 2

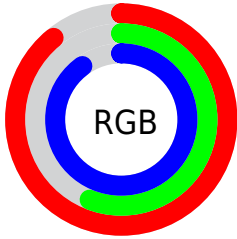
Format	Color
R _Y B	227, 142, 230
Decimal	14913254
CIE Lab	70.45, 45.63, -31.36
CIE LCh	70, 55.368, 325.500
Yxy	41.3901, 0.3144, 0.2339
Android (android.graphics.Color)	4293103334 (0xFFE38EE6)
YUV	177.4470, 25.9086, 43.4580
Hunter-Lab	64.3351, 41.7733, -28.6178

Details

The XYZ color **55.6345, 41.3901, 79.9197** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **44.8577, 64.5673, 35.6917**, and the grayscale version is **41.8859, 44.0672, 47.9892**.

A 20% lighter version of the original color is **79.2563, 68.4125, 103.6354**, and **27.7899, 18.7468, 42.1982** is the 20% darker color. If you saturate the color by 10%, you get **52.3128, 35.1121, 78.8836**, and if you desaturate by 10%, it is **59.6660, 49.0843, 81.1929**.

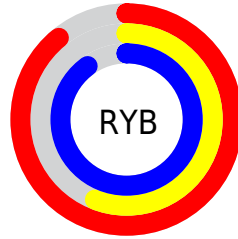
Distribution



Red (89%)

Green (56%)

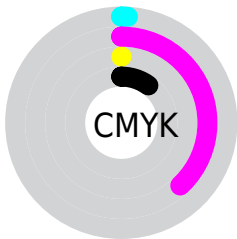
Blue (90%)



Red (89%)

Yellow (56%)

Blue (90%)

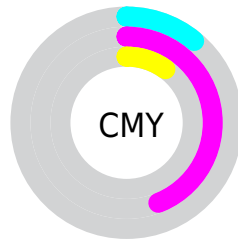


Cyan (1%)

Magenta (38%)

Yellow (0%)

Black (10%)



Cyan (11%)


Magenta (44%)


Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.6345, 41.3901, 79.9197 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 55.6345, 41.3901, 79.9197 by changing the saturation by 10% instead.


 55.6345, 41.3901,
79.9197


 55.6345, 41.3901,
79.9197


398.4100,
351.9484, 514.3618

 40.1458, 28.6240,
59.1265

 97.6129, 77.2757,
135.0632

 27.8370, 18.7966,
42.2943


 124.8333,
101.1641, 170.2506

 18.3426, 11.5234,
29.0045


156.6950,
129.5286, 211.0731

 11.2974, 6.4200,
18.8386

193.5633,
162.7538, 257.9493

 6.3360, 3.1021,
11.3781

235.8036,
201.2239, 311.2978

 3.0931, 1.1853,
6.2044

283.7813,

 1.2032, 0.0496,

245.3235, 371.5370

2.8990

337.8616,
295.4369, 439.0855

■ 0.1089, 0.0000,
1.0433

■ 0.0000, 0.0000,
0.0000

■ 55.6345, 41.3901,
79.9197

■ 55.6345, 41.3901,
79.9197

■ 52.3128, 35.1121,
78.8836

■ 59.6660, 49.0843,
81.1929

■ 49.6531, 30.1572,
78.0674

■ 64.4433, 58.2692,
82.7140

■ 47.6082, 26.4303,
77.4558

■ 70.0046, 69.0206,
84.4961

■ 46.1228, 23.8207,
77.0304

■ 76.3846, 81.4077,
86.5508

45.1318, 22.1983,
76.7695

82.9726, 94.2090,
88.6745

44.5421, 21.3769,
76.6420

83.2261, 94.3397,
88.6864

44.4568, 21.2683,
76.6255

83.4807, 94.4710,
88.6983

83.7365, 94.6028,
88.7103

83.9934, 94.7353,
88.7223

Harmonies

Analogous

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



47.3829, 41.3901, 107.2964



55.6345, 41.3901, 79.9197



59.5404, 41.3901, 49.1237

Triad

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



55.6345, 41.3901, 79.9197



40.7322, 41.3901, 11.2510



25.5395, 41.3901, 70.3305

Complementary

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



55.6345, 41.3901, 79.9197



44.8577, 64.5673, 35.6917

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.



24.3193, 41.3901, 41.2396



55.6345, 41.3901, 79.9197



32.2631, 41.3901, 13.2358

Square

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



55.6345, 41.3901, 79.9197



50.1325, 41.3901, 15.0545



26.5852, 41.3901, 22.1851



30.2196, 41.3901, 100.4219

Rectangle

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



55.6345, 41.3901, 79.9197



58.7742, 41.3901, 32.9337



26.5852, 41.3901, 22.1851



24.7453, 41.3901, 59.8646

Sweetspot

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



55.6359, 41.3919, 79.9206



86.3946, 83.2099, 106.1154



35.7807, 32.1473, 79.1827



18.2824, 17.4049, 22.6458



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.



55.6359, 41.3919, 79.9206



66.8799, 45.8206, 99.9270



51.6455, 39.9060, 53.9269



14.9440, 14.5889, 18.1726



25.1909, 12.0523, 43.3818



1.8768, 0.8985, 3.2065

Inverse Universe

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



47.4183, 38.2151, 31.6669



55.1453, 41.2949, 30.5367



47.8558, 65.7063, 54.2016



14.3968, 14.3759, 15.0240



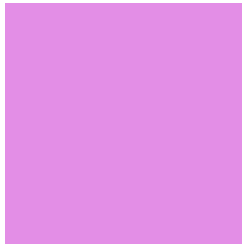
18.5084, 9.5376, 1.0401



1.3748, 0.7076, 0.1140

Previews

White Background



This preview shows how the XYZ color 55.6345, 41.3901, 79.9197 looks on a white background.

Color Contrast Check

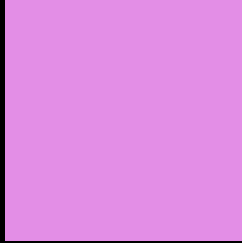
Large Text (above 18pt) WCAG AA × Fail

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 55.6345, 41.3901, 79.9197 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 55.6345, 41.3901, 79.9197

Background



This preview shows how black text looks on a background with the XYZ color 55.6345, 41.3901, 79.9197.



This preview shows how white text looks on a background with the XYZ color 55.6345, 41.3901,

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

55.6345, 41.3901, 79.9197

Protanopia

43.7995, 41.8887, 97.8723

Deuteranopia

42.6633, 41.7628, 77.0466



Tritanopia

47.9098, 41.2928, 42.0044

Trichromacy



Original Color

55.6345, 41.3901, 79.9197



Protanomaly

46.5791, 40.7872, 91.0057



Deuteranomaly

46.4435, 41.0020, 78.1394



Tritanomaly

50.3248, 41.0600, 53.9882

Monochromacy



Original Color

55.6345, 41.3901, 79.9197



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

45.7449, 42.1385, 57.9471

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.6345, 41.3901, 79.9197 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(227, 142, 230)` looks like.

```
.text, #text, p{  
    color:rgb(227, 142, 230)  
}
```

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(227, 142, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 142, 230) }
```

Border

The CSS property to change the border of an element to XYZ 55.6345, 41.3901, 79.9197 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(227, 142, 230) }
```


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

```
.border{ border-color:rgb(227, 142, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 142, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 142, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 142, 230);  
box-shadow:4px 4px 4px 4px rgb(227, 142,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 55.6345, 41.3901, 79.9197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 142, 230) }
```

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

```
.background{ background-color: rgb(227,  
142, 230) }
```

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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