

Converting Colors

XYZ(55.7357, 40.5266, 79.3747)

Have a look what the booklet for
XYZ(55.7357, 40.5266, 79.3747)
contains.

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Color

**XYZ(55.8645, 40.6571,
79.0320)**

Conversions

Conversions Part 1

Format	Color
Hex	E68AE5
RGB	230, 138, 229
RGB Percent	90%, 54%, 90%
CMY	0.0980, 0.4588, 0.1020
CMYK	0.00, 0.40, 0.00, 0.10
HSL	301°, 65%, 72%
HSV	301°, 40%, 90%
XYZ	55.8645, 40.6571, 79.0320
YIQ	175.8820, 25.6210, 47.8050

Conversions

Conversions Part 2

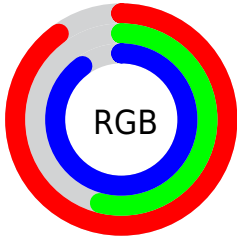
Format	Color
R _{YB}	230, 138, 229
Decimal	15108837
CIE _{Lab}	69.94, 48.42, -31.58
CIE _{LCh}	70, 57.805, 326.890
Yxy	40.6571, 0.3182, 0.2316
Android (android.graphics.Color)	4293298917 (0xFFE68AE5)
YUV	175.8820, 26.1872, 47.4615
Hunter-Lab	63.7629, 44.8038, -28.8539

Details

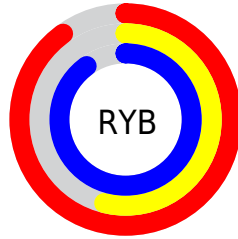
The XYZ color **55.8645, 40.6571, 79.0320** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **43.4400, 63.8625, 34.4656**, and the grayscale version is **41.0652, 43.2038, 47.0490**.

A 20% lighter version of the original color is **78.3600, 66.6199, 103.3367**, and **28.0249, 18.3984, 41.6093** is the 20% darker color. If you saturate the color by 10%, you get **52.8730, 34.7291, 77.8630**, and if you desaturate by 10%, it is **59.5574, 47.9861, 80.4359**.

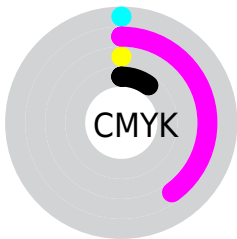
Distribution



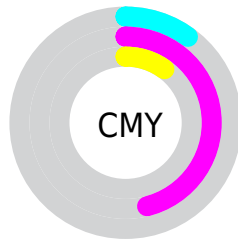
- Red (90%)
- Green (54%)
- Blue (90%)



- Red (90%)
- Yellow (54%)
- Blue (90%)



- Cyan (0%)
- Magenta (40%)
- Yellow (0%)
- Black (10%)





- Cyan (10%)
- Magenta (46%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.8645, 40.6571, 79.0320 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 55.8645, 40.6571, 79.0320 by changing the saturation by 10% instead.


 55.8645, 40.6571,
79.0320


 55.8645, 40.6571,
79.0320


399.2640,
348.8854, 511.2851


 40.3309, 28.0512,
58.4006


 97.9474, 76.1631,
133.8030

 27.9820, 18.3643,
41.7140


 125.2274, 99.8320,
168.7797

 18.4525, 11.2118,
28.5535


 157.1535,
127.9574, 209.3753

 11.3770, 6.2095,
18.5007


194.0911,
160.9237, 256.0083

 6.3901, 2.9729,
11.1369

236.4057,
199.1152, 309.0972

 3.1266, 1.1176,
6.0436

284.4624,

 1.2211, 0.0000,

242.9164, 369.0606

2.8024

338.6267,
292.7117, 436.3171

■ 0.1229, 0.0000,
0.9947

■ 0.0000, 0.0000,
0.0000

■ 55.8645, 40.6571,
79.0320

■ 55.8645, 40.6571,
79.0320

■ 52.8730, 34.7291,
77.8630

■ 59.5574, 47.9861,
80.4359

■ 50.5344, 30.1077,
76.9115

■ 63.9883, 56.7917,
82.0856

■ 48.8004, 26.6954,
76.1617

■ 69.1959, 67.1509,
83.9944

■ 47.6144, 24.3790,
75.5949

■ 75.2153, 79.1334,
86.1741

46.9090, 23.0238,
75.1885

82.0792, 92.8050,
88.6356

46.5679, 22.3970,
74.9038

82.7472, 94.0847,
89.0320

46.5678, 22.3969,
74.9037

82.7825, 94.0988,
89.2178

82.8178, 94.1129,
89.4038

82.8532, 94.1271,
89.5901

Harmonies

Analogous

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



47.4169, 40.6571, 108.4243



55.8645, 40.6571, 79.0320



59.6696, 40.6571, 47.1398

Triad

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



55.8645, 40.6571, 79.0320



39.6333, 40.6571, 10.0696



24.6494, 40.6571, 72.0806

Complementary

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



55.8645, 40.6571, 79.0320



43.4400, 63.8625, 34.4656

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.



23.2471, 40.6571, 41.5165



55.8645, 40.6571, 79.0320



31.0249, 40.6571, 12.2722

Square

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



55.8645, 40.6571, 79.0320



49.3923, 40.6571, 13.5066



25.3840, 40.6571, 21.5690



29.5793, 40.6571, 103.3961

Rectangle

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



55.8645, 40.6571, 79.0320



58.6683, 40.6571, 30.8571



25.3840, 40.6571, 21.5690



23.7884, 40.6571, 61.0928

Sweetspot

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



55.8658, 40.6589, 79.0329



85.9997, 81.9852, 105.6191



33.8545, 29.2954, 78.7344



18.2160, 17.1673, 22.5369



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.



55.8658, 40.6589, 79.0329



67.4092, 45.0603, 98.6325



50.3750, 38.4626, 50.1182



14.9880, 14.6124, 18.1373



26.3669, 12.6810, 42.4224



1.9506, 0.9380, 3.1465

Inverse Universe

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



55.8658, 40.6589, 79.0329



67.4092, 45.0603, 98.6325



47.4314, 65.4591, 55.4842



14.9880, 14.6124, 18.1373



26.3669, 12.6810, 42.4224



1.9506, 0.9380, 3.1465

Previews

White Background



This preview shows how the XYZ color 55.8645, 40.6571, 79.0320 looks on a white background.

Color Contrast Check

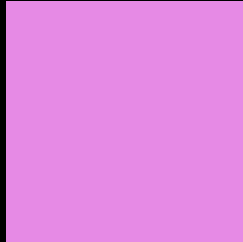
Large Text (above 18pt) WCAG AA × Fail

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 55.8645, 40.6571, 79.0320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

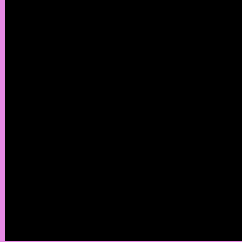
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.8645, 40.6571, 79.0320

Background



This preview shows how black text looks on a background with the XYZ color 55.8645, 40.6571, 79.0320.



This preview shows how white text looks on a background with the XYZ color 55.8645, 40.6571,

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

55.8645, 40.6571, 79.0320

Protanopia

43.2453, 41.3074, 98.6224

Deuteranopia

41.8191, 40.8066, 75.4844



Tritanopia

48.0533, 40.6664, 40.4387

Trichromacy



Original Color

55.8645, 40.6571, 79.0320



Protanomaly

46.2352, 40.0993, 90.8910



Deuteranomaly

45.6552, 39.8645, 76.5225



Tritanomaly

50.5622, 40.5058, 52.7304

Monochromacy



Original Color

55.8645, 40.6571, 79.0320



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

45.5356, 41.5166, 57.2433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.8645, 40.6571, 79.0320 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(230, 138, 229)` looks like.

```
.text, #text, p{  
    color:rgb(230, 138, 229)  
}
```

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(230, 138, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 138, 229) }
```

Border

The CSS property to change the border of an element to XYZ 55.8645, 40.6571, 79.0320 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(230, 138, 229) }
```


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

```
.border{ border-color:rgb(230, 138, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 138, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 138, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 138, 229);  
box-shadow:4px 4px 4px 4px rgb(230, 138,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 55.8645, 40.6571, 79.0320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 138, 229) }
```

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

```
.background{ background-color: rgb(230,  
138, 229) }
```

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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