

Converting Colors

XYZ(55.1444, 34.6959, 87.7947)

Have a look what the booklet for
XYZ(55.1444, 34.6959, 87.7947)
contains.

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Color

**XYZ(55.0999, 34.6717,
87.7926)**

Conversions

Conversions Part 1

Format	Color
Hex	E96DF2
RGB	233, 109, 242
RGB Percent	91%, 43%, 95%
CMY	0.0863, 0.5725, 0.0510
CMYK	0.04, 0.55, 0.00, 0.05
HSL	296°, 84%, 69%
HSV	296°, 55%, 95%
XYZ	55.0999, 34.6717, 87.7926
YIQ	161.2380, 31.2110, 67.6510

Conversions

Conversions Part 2

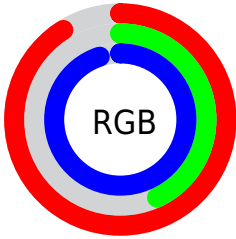
Format	Color
R _{YB}	233, 109, 242
Decimal	15298034
CIE _{Lab}	65.49, 65.65, -45.65
CIE _{LCh}	65, 79.958, 325.189
Yxy	34.6717, 0.3103, 0.1953
Android (android.graphics.Color)	4293488114 (0xFFE96DF2)
YUV	161.2380, 39.8157, 62.9353
Hunter-Lab	58.8827, 63.9880, -47.1820

Details

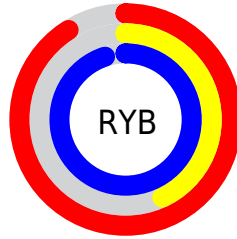
The XYZ color **55.0999, 34.6717, 87.7926** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **41.9847, 68.4607, 25.4710**, and the grayscale version is **33.7987, 35.5589, 38.7236**.

A 20% lighter version of the original color is **72.7451, 55.3903, 101.4650**, and **27.3963, 14.8691, 47.3250** is the 20% darker color. If you saturate the color by 10%, you get **52.3330, 29.9269, 87.0231**, and if you desaturate by 10%, it is **58.5847, 40.8431, 88.8006**.

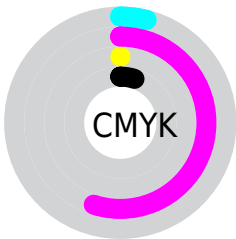
Distribution



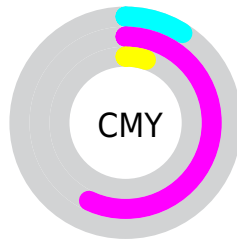
- Red (91%)
- Green (43%)
- Blue (95%)



- Red (91%)
- Yellow (43%)
- Blue (95%)



- Cyan (4%)
- Magenta (55%)
- Yellow (0%)
- Black (5%)





- Cyan (9%)
- Magenta (57%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.0999, 34.6717, 87.7926 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 55.0999, 34.6717, 87.7926 by changing the saturation by 10% instead.

 55.0999, 34.6717,
87.7926


 55.0999, 34.6717,
87.7926


396.4208,
323.1169, 541.2075


 39.7159, 23.4101,
65.5880


 96.8348, 66.9769,
146.1770

 27.5003, 14.8966,
47.4836


 123.9163, 88.7892,
183.1938

 18.0878, 8.7469,
33.0611


 155.6278,
114.8873, 225.9851

 11.1131, 4.5764,
21.9017

192.3345,
145.6554, 274.9694

 6.2108, 2.0010,
13.5871

234.4018,
181.4780, 330.5652

 3.0156, 0.6080,
7.6986

282.1950,

 1.1620, 0.0000,

222.7396, 393.1912

3.8177

336.0795,
269.8244, 463.2657

■ 0.0761, 0.0000,
1.5259

■ 0.0000, 0.0000,
0.2371

■ 55.0999, 34.6717,
87.7926

■ 55.0999, 34.6717,
87.7926

■ 52.3330, 29.9269,
87.0231

■ 58.5847, 40.8431,
88.8006

■ 50.2204, 26.4842,
86.4699


■ 62.8368, 48.5425,
90.0627


■ 48.6936, 24.2059,
86.1106


■ 67.9055, 57.8677,
91.5955


■ 47.6670, 22.9207,
85.9167


■ 73.8348, 68.9069,
93.4137


 47.2740, 22.5192,
85.8599

 80.6657, 81.7418,
95.5311

 88.4366, 96.4491,
97.9603

 89.2565, 97.2470,
98.0711

 89.8287, 97.5420,
98.0979

 90.4060, 97.8396,
98.1249

Harmonies

Analogous

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



43.4903, 34.6717, 131.2638



55.0999, 34.6717, 87.7926



60.8510, 34.6717, 43.4192

Triad

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



55.0999, 34.6717, 87.7926



34.8781, 34.6717, 3.0631



16.4967, 34.6717, 72.3625

Complementary

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



55.0999, 34.6717, 87.7926



41.9847, 68.4607, 25.4710

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.



15.2313, 34.6717, 32.5999



55.0999, 34.6717, 87.7926



24.2744, 34.6717, 4.3077

Square

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



55.0999, 34.6717, 87.7926



47.5434, 34.6717, 5.7087



17.7155, 34.6717, 11.6169



21.7044, 34.6717, 119.2442

Rectangle

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



55.0999, 34.6717, 87.7926



59.7933, 34.6717, 23.2578



17.7155, 34.6717, 11.6169



15.6578, 34.6717, 57.2809

Sweetspot

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



55.1012, 34.6732, 87.7933



82.3788, 76.1546, 104.9652



29.0616, 23.1166, 86.9351



17.3248, 15.7257, 22.3722



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.



55.1012, 34.6732, 87.7933



58.6078, 33.1517, 97.9177



51.0128, 33.3860, 50.5371



16.3425, 15.9738, 19.9435



25.4430, 12.1218, 46.1266



2.1481, 1.0247, 3.8388

Inverse Universe

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



45.3577, 31.1239, 20.7578



46.8327, 28.9114, 14.6891



44.7985, 69.4517, 46.3656



15.8162, 15.7762, 16.5882



19.7405, 10.1686, 1.2838



1.6573, 0.8520, 0.1861

Previews

White Background



This preview shows how the XYZ color 55.0999, 34.6717, 87.7926 looks on a white background.

Color Contrast Check

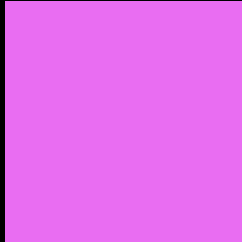
Large Text (above 18pt) WCAG AA × Fail

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 55.0999, 34.6717, 87.7926 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

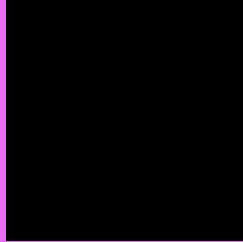
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.0999, 34.6717, 87.7926

Background



This preview shows how black text looks on a background with the XYZ color 55.0999, 34.6717, 87.7926.

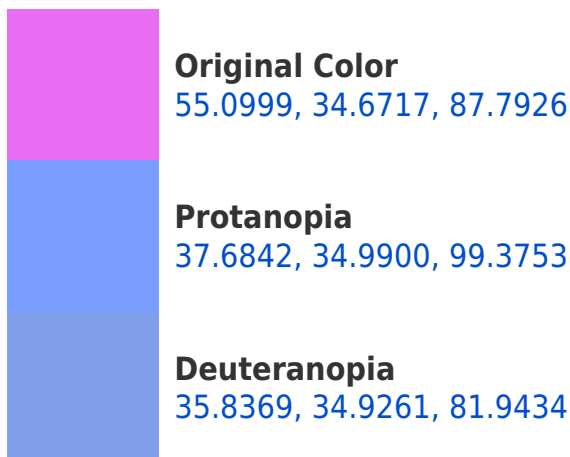


This preview shows how white text looks on a background with the XYZ color 55.0999, 34.6717,

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





Tritanopia

43.3779, 34.4360, 30.7461

Trichromacy



Original Color

55.0999, 34.6717, 87.7926



Protanomaly

41.1859, 32.9444, 94.6307



Deuteranomaly

40.2443, 32.9193, 83.5898



Tritanomaly

46.6232, 33.9701, 47.2796

Monochromacy



Original Color

55.0999, 34.6717, 87.7926



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

39.4608, 33.6285, 53.1263

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.0999, 34.6717, 87.7926 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(233, 109, 242)` looks like.

```
.text, #text, p{  
    color:rgb(233, 109, 242)  
}
```

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(233, 109, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 109, 242) }
```

Border

The CSS property to change the border of an element to XYZ 55.0999, 34.6717, 87.7926 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(233, 109, 242) }
```


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

```
.border{ border-color:rgb(233, 109, 242) }
```

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

Here you see how a box with a 4 pixel rgb(233, 109, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 109, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 109, 242);  
box-shadow:4px 4px 4px 4px rgb(233, 109,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 55.0999, 34.6717, 87.7926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 109, 242) }
```

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

```
.background{ background-color: rgb(233,  
109, 242) }
```

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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