

Converting Colors

XYZ(56.4033, 35.1119, 86.5553)

Have a look what the booklet for
XYZ(56.4033, 35.1119, 86.5553)
contains.

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Color

**XYZ(56.2458, 34.9838,
86.2261)**

Conversions

Conversions Part 1

Format	Color
Hex	EE6BF0
RGB	238, 107, 240
RGB Percent	93%, 42%, 94%
CMY	0.0667, 0.5804, 0.0588
CMYK	0.01, 0.55, 0.00, 0.06
HSL	299°, 82%, 68%
HSV	299°, 55%, 94%
XYZ	56.2458, 34.9838, 86.2261
YIQ	161.3310, 35.3830, 69.1350

Conversions

Conversions Part 2

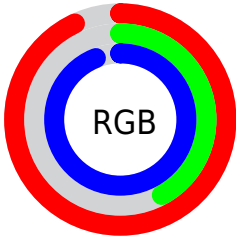
Format	Color
R _Y B	238, 107, 240
Decimal	15625200
CIE _{Lab}	65.74, 67.47, -44.11
CIE _{LCh}	66, 80.609, 326.823
Y _{xy}	34.9838, 0.3170, 0.1971
Android (android.graphics.Color)	4293815280 (0xFFEE6BF0)
Y _{UV}	161.3310, 38.7838, 67.2387
Hunter-Lab	59.1471, 66.2367, -45.0314

Details

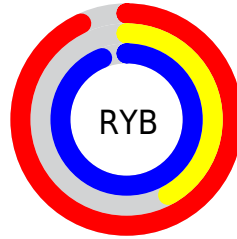
The XYZ color **56.2458, 34.9838, 86.2261** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **40.1217, 66.6337, 24.6585**, and the grayscale version is **33.8452, 35.6078, 38.7769**.

A 20% lighter version of the original color is **72.5655, 55.0309, 101.4052**, and **28.1542, 15.0356, 46.2180** is the 20% darker color. If you saturate the color by 10%, you get **53.9615, 30.5938, 85.4996**, and if you desaturate by 10%, it is **59.2271, 40.7654, 87.1854**.

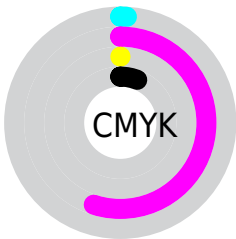
Distribution



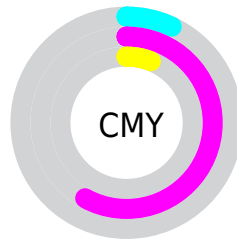
- Red (93%)
- Green (42%)
- Blue (94%)



- Red (93%)
- Yellow (42%)
- Blue (94%)



- Cyan (1%)
- Magenta (55%)
- Yellow (0%)
- Black (6%)





- Cyan (7%)
- Magenta (58%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.2458, 34.9838, 86.2261 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 56.2458, 34.9838, 86.2261 by changing the saturation by 10% instead.


 56.2458, 34.9838,
86.2261


 56.2458, 34.9838,
86.2261


400.6772,
324.4968, 535.9265


 40.6378, 23.6504,
64.2990


 98.5016, 67.4607,
143.9743


 28.2226, 15.0745,
46.4451


 125.8801, 89.3729,
180.6325

 18.6348, 8.8717,
32.2460


 157.9128,
115.5803, 223.0381

 11.5092, 4.6576,
21.2831


 194.9651,
146.4671, 271.6096

 6.4802, 2.0478,
13.1379

237.4024,
182.4177, 326.7657

 3.1826, 0.6350,
7.3917

285.5899,

 1.2511, 0.0000,

223.8166, 388.9249

3.6261

339.8930,
271.0482, 458.5056

■ 0.1461, 0.0000,
1.4226

■ 0.0000, 0.0000,
0.1592

■ 56.2458, 34.9838,
86.2261

■ 56.2458, 34.9838,
86.2261

■ 53.9615, 30.5938,
85.4996

■ 59.2271, 40.7654,
87.1854

■ 52.3113, 27.4727,
84.9842

■ 62.9538, 48.0386,
88.3929


■ 51.2277, 25.4844,
84.6575


■ 67.4745, 56.8993,
89.8649


■ 50.6260, 24.4595,
84.4914


■ 72.8325, 67.4343,
91.6159


 50.4512, 24.1916,
84.4489

 79.0681, 79.7240,
93.6595

 86.2189, 93.8439,
96.0080

 87.6025, 96.4289,
96.4340

 87.7255, 96.4923,
96.4398

 87.8486, 96.5558,
96.4455

Harmonies

Analogous

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



44.6497, 34.9838, 131.2665



56.2458, 34.9838, 86.2261



61.6421, 34.9838, 41.8304

Triad

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



56.2458, 34.9838, 86.2261



34.5322, 34.9838, 3.0049



16.7588, 34.9838, 75.8540

Complementary

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



56.2458, 34.9838, 86.2261



40.1217, 66.6337, 24.6585

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.



15.2721, 34.9838, 34.5822



56.2458, 34.9838, 86.2261



23.9790, 34.9838, 4.4688

Square

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



56.2458, 34.9838, 86.2261



47.3699, 34.9838, 5.3945



17.5728, 34.9838, 12.3499



22.2598, 34.9838, 123.1733

Rectangle

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



56.2458, 34.9838, 86.2261



60.2319, 34.9838, 22.1328



17.5728, 34.9838, 12.3499



15.8395, 34.9838, 60.3134

Sweetspot

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



56.2471, 34.9854, 86.2268



82.5068, 75.2688, 104.7875



27.2848, 20.4023, 84.9385



17.3846, 15.5691, 22.3388



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.



56.2471, 34.9854, 86.2268



61.7495, 34.7713, 98.0647



49.0025, 32.1655, 44.5549



16.4294, 16.0186, 19.9476



27.6286, 13.2484, 46.2289



2.3059, 1.1060, 3.8462

Inverse Universe

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



43.9543, 30.1462, 17.9715



46.4368, 28.7530, 12.6042



44.6024, 68.3979, 49.5228



15.7825, 15.7627, 16.4106



19.6866, 10.1471, 1.0002



1.6411, 0.8455, 0.1009

Previews

White Background



This preview shows how the XYZ color 56.2458, 34.9838, 86.2261 looks on a white background.

Color Contrast Check

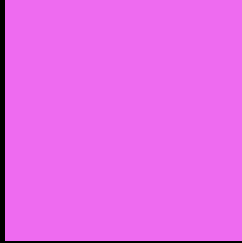
Large Text (above 18pt) WCAG AA × Fail

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 56.2458, 34.9838, 86.2261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

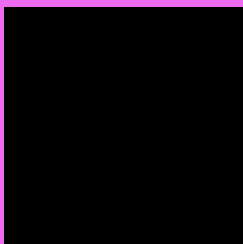
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.2458, 34.9838, 86.2261

Background



This preview shows how black text looks on a background with the XYZ color 56.2458, 34.9838, 86.2261.



This preview shows how white text looks on a background with the XYZ color 56.2458, 34.9838,

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

56.2458, 34.9838, 86.2261

Protanopia

37.9921, 35.3989, 99.4380

Deuteranopia

36.3377, 35.4713, 80.5328



Tritanopia

44.6340, 34.8968, 29.9745

Trichromacy



Original Color

56.2458, 34.9838, 86.2261



Protanomaly

41.7978, 33.2599, 94.6593



Deuteranomaly

41.0240, 33.3546, 82.1178



Tritanomaly

47.8767, 34.4527, 46.2461

Monochromacy



Original Color

56.2458, 34.9838, 86.2261



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

39.8054, 33.5863, 53.1000

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.2458, 34.9838, 86.2261 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(238, 107, 240)` looks like.

```
.text, #text, p{  
    color:rgb(238, 107, 240)  
}
```

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(238, 107, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 107, 240) }
```

Border

The CSS property to change the border of an element to XYZ 56.2458, 34.9838, 86.2261 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(238, 107, 240) }
```


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

```
.border{ border-color:rgb(238, 107, 240) }
```

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

Here you see how a box with a 4 pixel rgb(238, 107, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 107, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 107, 240);  
box-shadow:4px 4px 4px 4px rgb(238, 107,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 56.2458, 34.9838, 86.2261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 107, 240) }
```

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

```
.background{ background-color: rgb(238,  
107, 240) }
```

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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