

Converting Colors

XYZ(56.7442, 37.1813, 81.1198)

Have a look what the booklet for
XYZ(56.7442, 37.1813, 81.1198)
contains.

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Color

**XYZ(56.7830, 37.1908,
81.2765)**

Conversions

Conversions Part 1

Format	Color
Hex	EF76E9
RGB	239, 118, 233
RGB Percent	94%, 46%, 91%
CMY	0.0627, 0.5372, 0.0863
CMYK	0.00, 0.51, 0.03, 0.06
HSL	303°, 79%, 70%
HSV	303°, 51%, 94%
XYZ	56.7830, 37.1908, 81.2765
YIQ	167.2890, 35.2010, 61.4170

Conversions

Conversions Part 2

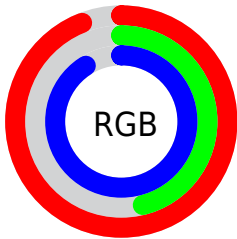
Format	Color
R _Y B	239, 118, 233
Decimal	15693545
CIE Lab	67.42, 61.54, -37.60
CIE LCh	67, 72.118, 328.578
Yxy	37.1908, 0.3240, 0.2122
Android (android.graphics.Color)	4293883625 (0xFFEF76E9)
YUV	167.2890, 32.3955, 62.8905
Hunter-Lab	60.9843, 59.4805, -36.3295

Details

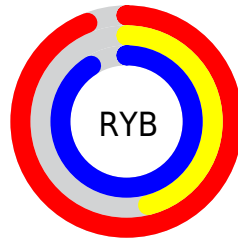
The XYZ color **56.7830, 37.1908, 81.2765** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **41.9775, 67.0412, 29.7988**, and the grayscale version is **36.7078, 38.6194, 42.0565**.

A 20% lighter version of the original color is **74.4261, 58.7521, 102.0254**, and **28.4808, 16.3229, 43.2445** is the 20% darker color. If you saturate the color by 10%, you get **54.1485, 32.1909, 79.5660**, and if you desaturate by 10%, it is **60.1341, 43.6203, 83.2322**.

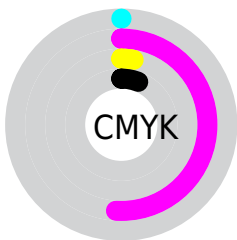
Distribution



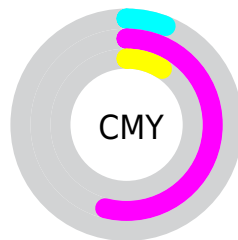
- Red (94%)
- Green (46%)
- Blue (91%)



- Red (94%)
- Yellow (46%)
- Blue (91%)



- Cyan (0%)
- Magenta (51%)
- Yellow (3%)
- Black (6%)





- Cyan (6%)
- Magenta (54%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.7830, 37.1908, 81.2765 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 56.7830, 37.1908, 81.2765 by changing the saturation by 10% instead.


 56.7830, 37.1908,
81.2765


 56.7830, 37.1908,
81.2765

402.6630,
334.1358, 519.0442


 41.0705, 25.3553,
60.2370


 99.2817, 70.8661,
136.9865

 28.5621, 16.3419,
43.1832


 126.7986, 93.4747,
172.4941

 18.8924, 9.7664,
29.6964


 158.9810,
120.4431, 213.6615

 11.6961, 5.2444,
19.3582

196.1942,
152.1557, 260.9072

 6.6078, 2.3913,
11.7499

238.8037,
188.9968, 314.6498

 3.2622, 0.8214,
6.4532

287.1748,

 1.2939, 0.0000,

231.3510, 375.3078

3.0493

341.6728,
279.6025, 443.2997

■ 0.1786, 0.0000,
1.1199

■ 0.0000, 0.0000,
0.0000

■ 56.7830, 37.1908,
81.2765

■ 56.7830, 37.1908,
81.2765

■ 54.1485, 32.1909,
79.5660

■ 60.1341, 43.6203,
83.2322

■ 52.1717, 28.5057,
78.0800


■ 64.2472, 51.5727,
85.4471


■ 50.7911, 26.0109,
76.7983


■ 69.1683, 61.1394,
87.9370


■ 49.9314, 24.5563,
75.6958


■ 74.9389, 72.4031,
90.7157


 49.4826, 23.9052,
74.7864

 81.5974, 85.4409,
93.7961

 87.1020, 96.1689,
96.4975

 87.2788, 96.2396,
97.4286

 87.4568, 96.3108,
98.3658

 87.6359, 96.3825,
99.3091

Harmonies

Analogous

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



46.5306, 37.1908, 120.9998



56.7830, 37.1908, 81.2765



61.1602, 37.1908, 42.0250

Triad

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



56.7830, 37.1908, 81.2765



35.8792, 37.1908, 5.0234



19.7672, 37.1908, 77.1813

Complementary

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



56.7830, 37.1908, 81.2765



41.9775, 67.0412, 29.7988

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.



18.0641, 37.1908, 39.0016



56.7830, 37.1908, 81.2765



26.1193, 37.1908, 7.0988

Square

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



56.7830, 37.1908, 81.2765



47.6373, 37.1908, 7.5829



20.1276, 37.1908, 16.3157



25.3792, 37.1908, 117.8909

Rectangle

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



56.7830, 37.1908, 81.2765



59.5860, 37.1908, 24.0225



20.1276, 37.1908, 16.3157



18.7776, 37.1908, 63.1670

Sweetspot

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



56.7843, 37.1925, 81.2773



83.7345, 77.8553, 103.6289



30.0909, 23.3308, 84.5797



17.6222, 16.0780, 22.0359



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.



56.7843, 37.1925, 81.2773



62.5772, 37.0022, 92.0708



49.7622, 34.3836, 44.2993



16.4184, 16.0171, 19.7596



27.3598, 13.2163, 41.4066



2.2864, 1.1036, 3.4991

Inverse Universe

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



56.7843, 37.1925, 81.2773



62.5772, 37.0022, 92.0708



46.8380, 68.9854, 55.3943



16.4184, 16.0171, 19.7596



27.3598, 13.2163, 41.4066



2.2864, 1.1036, 3.4991

Previews

White Background



This preview shows how the XYZ color 56.7830, 37.1908, 81.2765 looks on a white background.

Color Contrast Check

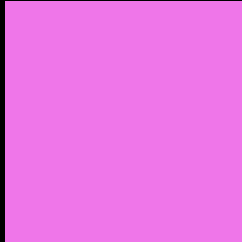
Large Text (above 18pt) WCAG AA × Fail

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 56.7830, 37.1908, 81.2765 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

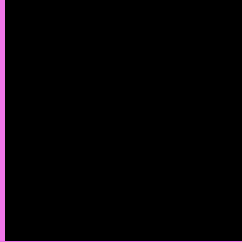
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.7830, 37.1908, 81.2765

Background



This preview shows how black text looks on a background with the XYZ color 56.7830, 37.1908, 81.2765.



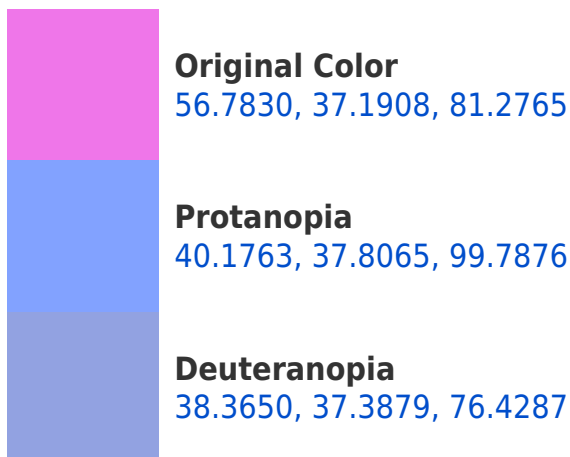
This preview shows how white text looks on a background with the XYZ color 56.7830, 37.1908,

81.2765.

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

46.8264, 37.0049, 33.1084

Trichromacy



Original Color

56.7830, 37.1908, 81.2765



Protanomaly

43.6449, 35.8192, 92.6091



Deuteranomaly

43.1049, 35.8625, 78.0491



Tritanomaly

49.9588, 36.8515, 47.6600

Monochromacy



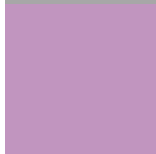
Original Color

56.7830, 37.1908, 81.2765



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

42.1437, 36.5939, 54.1323

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.7830, 37.1908, 81.2765 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(239, 118, 233)` looks like.

```
.text, #text, p{  
    color:rgb(239, 118, 233)  
}
```

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(239, 118, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 118, 233) }
```

Border

The CSS property to change the border of an element to XYZ 56.7830, 37.1908, 81.2765 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(239, 118, 233) }
```


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

```
.border{ border-color:rgb(239, 118, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 118, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 118, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 118, 233);  
box-shadow:4px 4px 4px 4px rgb(239, 118,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 56.7830, 37.1908, 81.2765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 118, 233) }
```

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

```
.background{ background-color: rgb(239,  
118, 233) }
```

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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