

Converting Colors

XYZ(68.8645, 57.2210, 95.6942)

Have a look what the booklet for
XYZ(68.8645, 57.2210, 95.6942)
contains.

XYZ(68.6441, 57.0815, 95.3956)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(68.6441, 57.0815,
95.3956)**

Conversions

Conversions Part 1

Format	Color
Hex	F0B2F7
RGB	240, 178, 247
RGB Percent	94%, 70%, 97%
CMY	0.0588, 0.3019, 0.0314
CMYK	0.03, 0.28, 0.00, 0.03
HSL	294°, 81%, 83%
HSV	294°, 28%, 97%
XYZ	68.6441, 57.0815, 95.3956
YIQ	204.4040, 14.8030, 34.6030

Conversions

Conversions Part 2

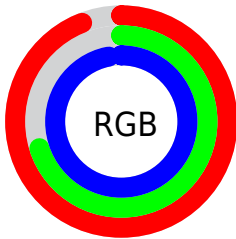
Format	Color
R _Y B	240, 178, 247
Decimal	15774455
CIE Lab	80.23, 33.83, -25.47
CIE LCh	80, 42.349, 323.029
Yxy	57.0815, 0.3104, 0.2581
Android (android.graphics.Color)	4293964535 (0xFFFF0B2F7)
YUV	204.4040, 20.9998, 31.2177
Hunter-Lab	75.5523, 29.9622, -21.9755

Details

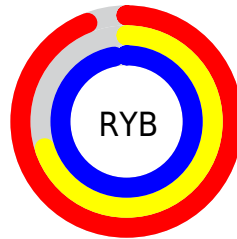
The XYZ color **68.6441, 57.0815, 95.3956** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **61.3062, 80.0516, 54.3427**, and the grayscale version is **57.5163, 60.5116, 65.8972**.

A 20% lighter version of the original color is **88.7128, 87.3256, 106.7876**, and **36.1563, 28.4522, 52.3014** is the 20% darker color. If you saturate the color by 10%, you get **63.3208, 47.6880, 93.8639**, and if you desaturate by 10%, it is **74.8675, 68.2555, 97.2252**.

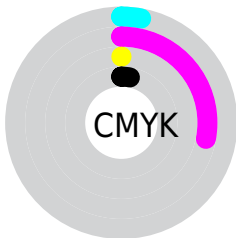
Distribution



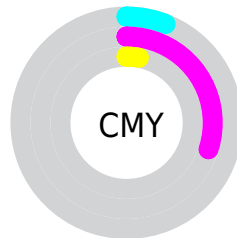
- Red (94%)
- Green (70%)
- Blue (97%)



- Red (94%)
- Yellow (70%)
- Blue (97%)



- Cyan (3%)
- Magenta (28%)
- Yellow (0%)
- Black (3%)



- Cyan (6%)
- Magenta (30%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.6441, 57.0815, 95.3956 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 68.6441, 57.0815, 95.3956 by changing the saturation by 10% instead.


 68.6441, 57.0815,
95.3956

 68.6441, 57.0815,
95.3956


445.1158,
413.7546, 566.4473

 50.6975, 41.0707,
71.8656


 116.3100,
100.5841, 156.8113

 36.1880, 28.3743,
52.5627

146.7599,
128.8447, 195.5341

 24.7502, 18.6080,
37.0685


182.1084,
161.9573, 240.1581

 16.0188, 11.3874,
24.9643

222.7207,
200.3063, 291.1021

 9.6284, 6.3280,
15.8317

268.9623,
244.2762, 348.7844

 5.2136, 3.0456,
9.2521

321.1984,


 2.4092, 1.1556,

294.2512, 413.6237


4.8069


379.7944,
350.6159, 486.0385


 0.8497, 0.0250,
2.0777


 0.0000, 0.0000,
0.6024


 68.6441, 57.0815,
95.3956


 68.6441, 57.0815,
95.3956


 63.3208, 47.6880,
93.8639


 74.8675, 68.2555,
97.2252


 58.8448, 39.9727,
92.6106

 82.0296, 81.2906,
99.3638

 55.1657, 33.8340,
91.6196

 90.1733, 96.2713,
101.8261

 52.2258, 29.1565,
90.8717

 91.9818, 98.5640,
102.1733

49.9594, 25.8090,
90.3450

92.8859, 99.0301,
102.2157

48.2892, 23.6365,
90.0137

93.7887, 99.4955,
102.2579

47.1099, 22.4289,
89.8428

46.8957, 22.2362,
89.8169

Harmonies

Analogous

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



61.0185, 57.0815, 117.0497



68.6441, 57.0815, 95.3956



72.4785, 57.0815, 68.1097

Triad

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



68.6441, 57.0815, 95.3956



56.2964, 57.0815, 25.8682



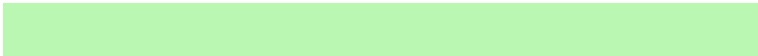
40.3520, 57.0815, 82.6917

Complementary

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



68.6441, 57.0815, 95.3956



61.3062, 80.0516, 54.3427

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.



39.3737, 57.0815, 56.5524



68.6441, 57.0815, 95.3956



48.0094, 57.0815, 27.8342

Square

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



68.6441, 57.0815, 95.3956



64.8754, 57.0815, 31.3544



42.0306, 57.0815, 37.6972



44.8607, 57.0815, 108.4591

Rectangle

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



68.6441, 57.0815, 95.3956



72.1092, 57.0815, 52.0280



42.0306, 57.0815, 37.6972



39.6205, 57.0815, 73.5110

Sweetspot

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



68.6459, 57.0840, 95.3968



88.1266, 87.2775, 106.8092



52.7205, 51.3220, 95.1240



18.6004, 18.2012, 22.7828



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.



68.6459, 57.0840, 95.3968



70.1859, 54.9660, 101.5180



67.2712, 56.8139, 75.5152



17.0383, 16.6779, 20.8637



24.8715, 11.7960, 47.5040



2.2329, 1.0609, 4.1773

Inverse Universe

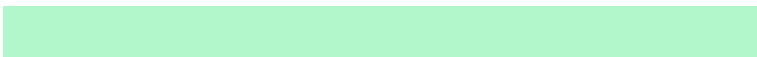
The Inverse Universe completely reimagines the original color for something new.



63.0371, 55.1203, 53.2184



63.2434, 52.5543, 48.4555



62.5760, 80.3692, 69.6272



16.5674, 16.5098, 17.4687



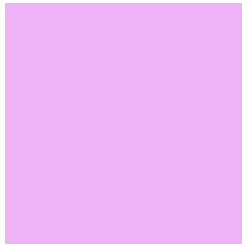
20.4027, 10.5045, 1.5632



1.8156, 0.9322, 0.2551

Previews

White Background



This preview shows how the XYZ color 68.6441, 57.0815, 95.3956 looks on a white background.

Color Contrast Check

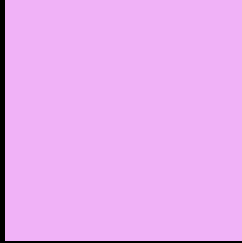
Large Text (above 18pt) WCAG AA × Fail

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 68.6441, 57.0815, 95.3956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

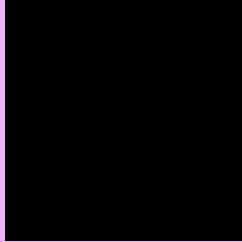
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.6441, 57.0815, 95.3956

Background



This preview shows how black text looks on a background with the XYZ color 68.6441, 57.0815, 95.3956.



This preview shows how white text looks on a background with the XYZ color 68.6441, 57.0815,

95.3956.

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

68.6441, 57.0815, 95.3956

Protanopia

57.7834, 57.3429, 102.6305

Deuteranopia

58.6092, 57.2976, 93.5585



Tritanopia

62.2446, 57.2501, 63.0281

Trichromacy



Original Color

68.6441, 57.0815, 95.3956



Protanomaly

60.8860, 56.6926, 99.8292



Deuteranomaly

61.8304, 56.9848, 94.1266



Tritanomaly

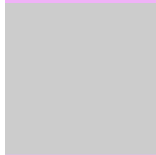
64.3875, 57.1758, 73.9721

Monochromacy



Original Color

68.6441, 57.0815, 95.3956



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

61.0486, 58.9492, 75.8709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6441, 57.0815, 95.3956 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(240, 178, 247)` looks like.

```
.text, #text, p{  
    color:rgb(240, 178, 247)  
}
```

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(240, 178, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 178, 247) }
```

Border

The CSS property to change the border of an element to XYZ 68.6441, 57.0815, 95.3956 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(240, 178, 247) }
```


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

```
.border{ border-color:rgb(240, 178, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 178, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 178, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 178, 247);  
box-shadow:4px 4px 4px 4px rgb(240, 178,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6441, 57.0815, 95.3956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 178, 247) }
```

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

```
.background{ background-color: rgb(240,  
178, 247) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor