

Converting Colors

XYZ(68.2264, 40.7494,
157.5122)

Have a look what the booklet for
XYZ(68.2264, 40.7494, 157.5122)
contains.

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Color

**XYZ(57.0223, 36.2436,
98.5980)**

Conversions

Conversions Part 1

Format	Color
Hex	E772FF
RGB	231, 114, 255
RGB Percent	91%, 45%, 100%
CMY	0.0941, 0.5529, 0.0000
CMYK	0.09, 0.55, 0.00, 0.00
HSL	290°, 100%, 72%
HSV	290°, 55%, 100%
XYZ	57.0223, 36.2436, 98.5980
YIQ	165.0570, 24.4710, 68.6550

Conversions

Conversions Part 2

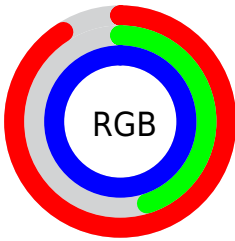
Format	Color
R _Y B	231, 114, 255
Decimal	15168255
CIE Lab	66.71, 65.21, -50.90
CIE LCh	67, 82.723, 322.028
Yxy	36.2436, 0.2972, 0.1889
Android (android.graphics.Color)	4293358335 (0xFFE772FF)
YUV	165.0570, 44.3419, 57.8320
Hunter-Lab	60.2027, 63.7156, -54.9614

Details

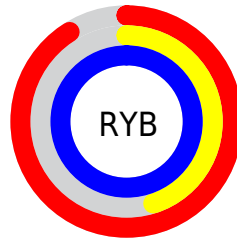
The XYZ color **57.0223, 36.2436, 98.5980** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **49.2794, 78.1386, 28.4062**, and the grayscale version is **35.5788, 37.4317, 40.7631**.

A 20% lighter version of the original color is **73.6647, 57.2295, 101.7716**, and **28.6694, 15.7741, 54.9597** is the 20% darker color. If you saturate the color by 10%, you get **53.1533, 30.5587, 97.7047**, and if you desaturate by 10%, it is **61.7300, 43.5524, 99.7607**.

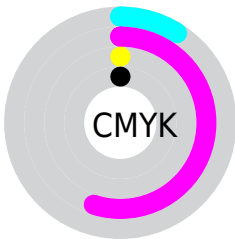
Distribution



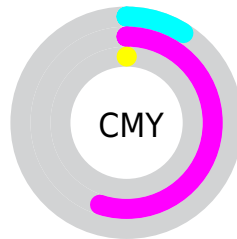
- Red (91%)
- Green (45%)
- Blue (100%)



- Red (91%)
- Yellow (45%)
- Blue (100%)



- Cyan (9%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)





- Cyan (9%)
- Magenta (55%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.0223, 36.2436, 98.5980 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 57.0223, 36.2436, 98.5980 by changing the saturation by 10% instead.


 57.0223, 36.2436,
98.5980


 57.0223, 36.2436,
98.5980

403.5457,
330.0240, 576.8966


 41.2634, 24.6224,
74.5198

 99.6289, 69.4079,
161.2642

 28.7135, 15.7959,
54.7203


 127.2073, 91.7198,
200.6893

 19.0074, 9.3799,
38.7807


 159.4561,
118.3640, 246.0672

 11.7797, 4.9898,
26.2827

196.7409,
149.7249, 297.8164

 6.6649, 2.2413,
16.8076

239.4269,
186.1870, 356.3553

 3.2979, 0.7424,
9.9369

287.8794,

 1.3132, 0.0000,

228.1346, 422.1027

5.2521

342.4639,
275.9522, 495.4769

■ 0.1931, 0.0000,
2.3346

■ 0.0000, 0.0000,
0.7505

■ 57.0223, 36.2436,
98.5980

■ 57.0223, 36.2436,
98.5980

■ 53.1533, 30.5587,
97.7047

■ 61.7300, 43.5524,
99.7607

■ 50.0506, 26.3560,
97.0570

■ 67.3336, 52.6020,
101.2121

■ 47.6353, 23.4774,
96.6287

■ 73.8892, 63.5034,
102.9707

■ 45.8084, 21.7253,
96.3868

■ 81.4475, 76.3574,
105.0534

45.0855, 21.1573,
96.3152

90.0551, 91.2572,
107.4757

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



44.2485, 36.2436, 143.5058



57.0223, 36.2436, 98.5980



64.0739, 36.2436, 49.7749

Triad

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



57.0223, 36.2436, 98.5980



37.8825, 36.2436, 3.0397



16.6570, 36.2436, 71.2341

Complementary

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



57.0223, 36.2436, 98.5980



49.2794, 78.1386, 28.4062

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.



15.7387, 36.2436, 30.6840



57.0223, 36.2436, 98.5980



26.2141, 36.2436, 3.8972

Square

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



57.0223, 36.2436, 98.5980



51.4104, 36.2436, 6.3070



18.7910, 36.2436, 10.4944



21.6998, 36.2436, 122.1395

Rectangle

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



57.0223, 36.2436, 98.5980



63.6291, 36.2436, 26.8111



18.7910, 36.2436, 10.4944



15.9142, 36.2436, 55.5758

Sweetspot

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



57.0236, 36.2451, 98.5983



80.0834, 74.0195, 104.6741



34.3470, 29.5114, 98.4937



16.8061, 15.2709, 22.3117



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.



57.0236, 36.2451, 98.5983



52.9093, 30.2140, 97.6510



58.9347, 37.9666, 65.4248



18.4714, 18.1347, 22.7768



23.6698, 11.1127, 50.3320



2.3812, 1.1215, 4.9042

Inverse Universe

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



51.8456, 35.1309, 28.0944



47.7384, 29.2737, 19.4584



48.9281, 77.5890, 45.0409



18.1355, 18.0375, 19.3308



21.8171, 11.2161, 2.4212



2.1577, 1.1054, 0.4117

Previews

White Background



This preview shows how the XYZ color 57.0223, 36.2436, 98.5980 looks on a white background.

Color Contrast Check

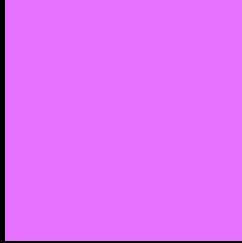
Large Text (above 18pt) WCAG AA × Fail

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 57.0223, 36.2436, 98.5980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

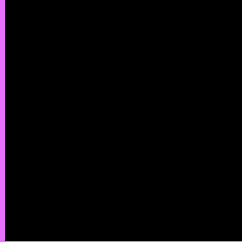
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 57.0223, 36.2436, 98.5980

Background



This preview shows how black text looks on a background with the XYZ color 57.0223, 36.2436, 98.5980.



This preview shows how white text looks on a background with the XYZ color 57.0223, 36.2436,

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

57.0223, 36.2436, 98.5980

Protanopia

39.0783, 36.7216, 99.6361

Deuteranopia

37.5809, 36.6321, 92.2787



Tritanopia

43.8076, 36.0685, 34.3588

Trichromacy



Original Color

57.0223, 36.2436, 98.5980



Protanomaly

43.1823, 34.7574, 99.0406



Deuteranomaly

42.1246, 34.7717, 94.1139

Tritanomaly

47.4258, 35.4363, 52.4844

Monochromacy



Original Color

57.0223, 36.2436, 98.5980



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

41.4582, 35.4538, 58.0843

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.0223, 36.2436, 98.5980 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(231, 114, 255)` looks like.

```
.text, #text, p{  
    color:rgb(231, 114, 255)  
}
```

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(231, 114, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 114, 255) }
```

Border

The CSS property to change the border of an element to XYZ 57.0223, 36.2436, 98.5980 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(231, 114, 255) }
```


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

```
.border{ border-color:rgb(231, 114, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 114, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 114, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 114, 255);  
box-shadow:4px 4px 4px 4px rgb(231, 114,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 57.0223, 36.2436, 98.5980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 114, 255) }
```

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

```
.background{ background-color: rgb(231,  
114, 255) }
```

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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