

Converting Colors

XYZ(56.7402, 37.1155, 98.7812)

Have a look what the booklet for
XYZ(56.7402, 37.1155, 98.7812)
contains.

XYZ(56.7614, 37.1469, 98.7862)	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(56.7614, 37.1469,
98.7862)**

Conversions

Conversions Part 1

Format	Color
Hex	E478FF
RGB	228, 120, 255
RGB Percent	89%, 47%, 100%
CMY	0.1059, 0.5294, 0.0000
CMYK	0.11, 0.53, 0.00, 0.00
HSL	288°, 100%, 74%
HSV	288°, 53%, 100%
XYZ	56.7614, 37.1469, 98.7862
YIQ	167.6820, 21.0330, 64.8810

Conversions

Conversions Part 2

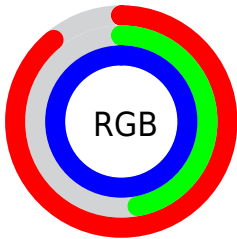
Format	Color
R _Y B	228, 120, 255
Decimal	14973183
CIE Lab	67.39, 61.63, -49.85
CIE LCh	67, 79.265, 321.035
Yxy	37.1469, 0.2946, 0.1928
Android (android.graphics.Color)	4293163263 (0xFFE478FF)
YUV	167.6820, 43.0478, 52.8989
Hunter-Lab	60.9483, 59.5784, -53.4347

Details

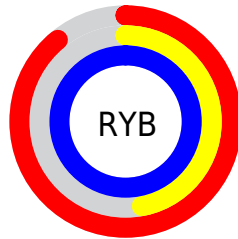
The XYZ color **56.7614, 37.1469, 98.7862** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **51.1835, 79.0794, 30.3370**, and the grayscale version is **36.8537, 38.7729, 42.2237**.

A 20% lighter version of the original color is **74.8153, 59.5307, 102.1551**, and **28.6609, 16.4039, 55.0817** is the 20% darker color. If you saturate the color by 10%, you get **52.4991, 30.9880, 97.8220**, and if you desaturate by 10%, it is **61.8903, 44.9662, 100.0251**.

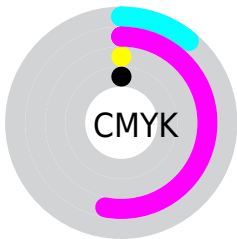
Distribution



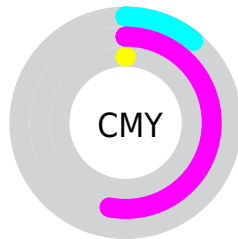
- Red (89%)
- Green (47%)
- Blue (100%)



- Red (89%)
- Yellow (47%)
- Blue (100%)



- Cyan (11%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (53%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.7614, 37.1469, 98.7862 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 56.7614, 37.1469, 98.7862 by changing the saturation by 10% instead.

56.7614, 37.1469,
98.7862

56.7614, 37.1469,
98.7862

402.5833,
333.9461, 577.5075

41.0531, 25.3212,
74.6760

99.2503, 70.7987,
161.5254

28.5484, 16.3166,
54.8474

126.7617, 93.3936,
200.9916

18.8820, 9.7484,
38.8818

158.9381,
120.3470, 246.4134

11.6886, 5.2325,
26.3606

196.1449,
152.0434, 298.2095

6.6027, 2.3843,
16.8654

238.7474,
188.8671, 356.7985

3.2590, 0.8178,
9.9777

287.1111,

1.2922, 0.0000,

231.2025, 422.5987

5.2787

341.6013,
279.4340, 496.0289

■ 0.1773, 0.0000,
2.3501

■ 0.0000, 0.0000,
0.7591

■ 56.7614, 37.1469,
98.7862

■ 56.7614, 37.1469,
98.7862

■ 52.4991, 30.9880,
97.8220

■ 61.8903, 44.9662,
100.0251

■ 49.0329, 26.3519,
97.1098

■ 67.9415, 54.5597,
101.5579

■ 46.2868, 23.0864,
96.6243

■ 74.9703, 66.0363,
103.4027

■ 44.1674, 21.0052,
96.3343

■ 83.0264, 79.4949,
105.5758

■ 42.9525, 20.0577,
96.2154

■ 92.1560, 95.0275,
108.0927

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.



44.3725, 37.1469, 140.5290



56.7614, 37.1469, 98.7862



63.7717, 37.1469, 51.7930

Triad

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



56.7614, 37.1469, 98.7862



39.0737, 37.1469, 3.8202



17.6845, 37.1469, 69.5238

Complementary

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



56.7614, 37.1469, 98.7862



51.1835, 79.0794, 30.3370

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.



16.8948, 37.1469, 30.8916



56.7614, 37.1469, 98.7862



27.5689, 37.1469, 4.6261

Square

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



56.7614, 37.1469, 98.7862



52.1275, 37.1469, 7.5429



20.0811, 37.1469, 11.2776



22.5608, 37.1469, 117.9452

Rectangle

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



56.7614, 37.1469, 98.7862



63.5547, 37.1469, 28.9458



20.0811, 37.1469, 11.2776



16.9846, 37.1469, 54.6500

Sweetspot

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



56.7627, 37.1484, 98.7864



80.4487, 75.1596, 104.8749



36.2307, 32.0820, 98.8906



16.8602, 15.4862, 22.3505



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.



56.7627, 37.1484, 98.7864



52.0949, 30.4264, 97.7349



60.1588, 39.5748, 68.4226



18.4159, 18.1061, 22.7742



22.5687, 10.5451, 50.2805



2.2836, 1.0711, 4.8997

Inverse Universe

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



53.2237, 36.8007, 31.9028



48.7157, 30.3460, 22.5042



49.8957, 78.0691, 45.9281



18.1579, 18.0465, 19.4485



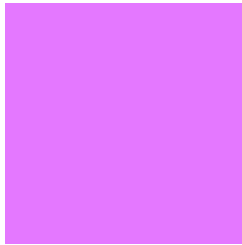
21.9027, 11.2504, 2.8719



2.1692, 1.1100, 0.4723

Previews

White Background



This preview shows how the XYZ color 56.7614, 37.1469, 98.7862 looks on a white background.

Color Contrast Check

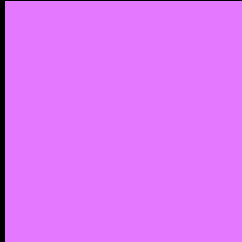
Large Text (above 18pt) WCAG AA × Fail

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 56.7614, 37.1469, 98.7862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

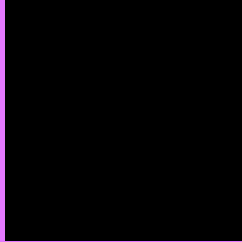
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.7614, 37.1469, 98.7862

Background



This preview shows how black text looks on a background with the XYZ color 56.7614, 37.1469, 98.7862.



This preview shows how white text looks on a background with the XYZ color 56.7614, 37.1469,

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

56.7614, 37.1469, 98.7862

Protanopia

40.0236, 37.7278, 99.7805

Deuteranopia

38.6681, 37.7019, 93.2349



Tritanopia

43.8577, 36.9472, 36.2725

Trichromacy



Original Color

56.7614, 37.1469, 98.7862



Protanomaly

44.0008, 36.0868, 99.2541



Deuteranomaly

42.9495, 35.8685, 95.1021

Tritanomaly

47.5320, 36.4742, 54.4042

Monochromacy



Original Color

56.7614, 37.1469, 98.7862



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

42.7271, 37.2505, 59.5817

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.7614, 37.1469, 98.7862 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(228, 120, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 120, 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(228, 120, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 120, 255) }
```

Border

The CSS property to change the border of an element to XYZ 56.7614, 37.1469, 98.7862 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(228, 120, 255) }
```


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

```
.border{ border-color:rgb(228, 120, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 120, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 120, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 120, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 120,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 56.7614, 37.1469, 98.7862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 120, 255) }
```

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

```
.background{ background-color: rgb(228,  
120, 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](#).

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