

Converting Colors

XYZ(37.7981, 25.2786, 56.2897)

Have a look what the booklet for
XYZ(37.7981, 25.2786, 56.2897)
contains.

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Color

**XYZ(37.8727, 25.2549,
56.3047)**

Conversions

Conversions Part 1

Format	Color
Hex	C565C6
RGB	197, 101, 198
RGB Percent	77%, 40%, 78%
CMY	0.2274, 0.6039, 0.2235
CMYK	0.01, 0.49, 0.00, 0.22
HSL	299°, 46%, 59%
HSV	299°, 49%, 78%
XYZ	37.8727, 25.2549, 56.3047
YIQ	140.7620, 26.0790, 50.5190

Conversions

Conversions Part 2

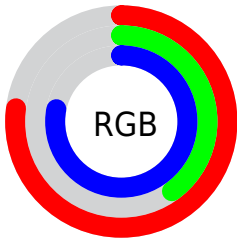
Format	Color
R_{YB}	197, 101, 198
Decimal	12936646
CIE _{Lab}	57.32, 51.88, -34.11
CIE _{LCh}	57, 62.093, 326.676
Yxy	25.2549, 0.3171, 0.2115
Android (android.graphics.Color)	4291126726 (0xFFC565C6)
YUV	140.7620, 28.2183, 49.3207
Hunter-Lab	50.2543, 46.5765, -31.2503

Details

The XYZ color **37.8727, 25.2549, 56.3047** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **28.0234, 44.1532, 19.3586**, and the grayscale version is **25.1111, 26.4189, 28.7702**.

A 20% lighter version of the original color is **71.0113, 51.9227, 100.8871**, and **17.0351, 9.7094, 27.3618** is the 20% darker color. If you saturate the color by 10%, you get **36.1237, 21.8356, 55.7372**, and if you desaturate by 10%, it is **40.0866, 29.6027, 57.0276**.

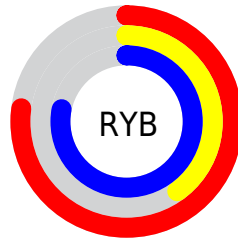
Distribution



Red (77%)

Green (40%)

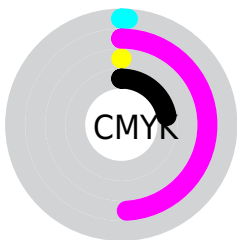
Blue (78%)



Red (77%)

Yellow (40%)

Blue (78%)

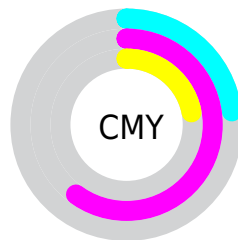


Cyan (1%)

Magenta (49%)

Yellow (0%)

Black (22%)



Cyan (23%)


Magenta (60%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8727, 25.2549, 56.3047 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 37.8727, 25.2549, 56.3047 by changing the saturation by 10% instead.


 37.8727, 25.2549,
56.3047


 37.8727, 25.2549,
56.3047


328.3639,
279.1050, 428.2593


 26.0607, 16.2671,
40.0416


 71.2181, 52.0704,
100.9402


 17.0020, 9.7133,
27.2570


 93.4822, 70.6669,
130.1497

 10.3312, 5.2093,
17.5322


 119.9611, 93.2351,
164.5117

 5.6830, 2.3706,
10.4487

 151.0200,
120.1594, 204.4449

 2.6921, 0.8107,
5.5880

187.0244,
151.8241, 250.3677

 0.9931, 0.0000,
2.5315

228.3396,

 0.0000, 0.0000,

188.6137, 302.6987

0.8568

275.3310,
230.9125, 361.8564

■ 0.0000, 0.0000,
0.0000

■ 37.8727, 25.2549,
56.3047

■ 37.8727, 25.2549,
56.3047

■ 36.1237, 21.8356,
55.7372

■ 40.0866, 29.6027,
57.0276

■ 34.8032, 19.2736,
55.3123

■ 42.7931, 34.9363,
57.9144

■ 33.8735, 17.4933,
55.0177

■ 46.0211, 41.3128,
58.9751

■ 33.2895, 16.4043,
54.8383

■ 49.7964, 48.7835,
60.2181

■ 32.9750, 15.8540,
54.7486

■ 54.1429, 57.3968,
61.6515

■ 32.9479, 15.8078,
54.7411

■ 59.0833, 67.1978,
63.2829

■ 64.6391, 78.2294,
65.1194

■ 69.4091, 87.6893,
66.6940

■ 69.4631, 87.7171,
66.6965

Harmonies

Analogous

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



30.9325, 25.2549, 81.9191



37.8727, 25.2549, 56.3047



41.0796, 25.2549, 29.9150

Triad

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



37.8727, 25.2549, 56.3047



24.8337, 25.2549, 3.6404



13.4515, 25.2549, 49.9952

Complementary

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



37.8727, 25.2549, 56.3047



28.0234, 44.1532, 19.3586

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.



12.4690, 25.2549, 25.2154



37.8727, 25.2549, 56.3047



18.1961, 25.2549, 4.8580

Square

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



37.8727, 25.2549, 56.3047



32.6456, 25.2549, 5.6358



14.0168, 25.2549, 10.7047



17.0403, 25.2549, 77.1509

Rectangle

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



37.8727, 25.2549, 56.3047



40.2677, 25.2549, 17.4327



14.0168, 25.2549, 10.7047



12.8418, 25.2549, 40.8415

Sweetspot

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



37.8736, 25.2560, 56.3052



83.8936, 77.9023, 105.2227



20.3731, 16.4696, 55.5316



17.6610, 16.0894, 22.4247



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.



37.8736, 25.2560, 56.3052



63.7279, 38.1989, 98.6220



33.5386, 23.5524, 32.1074



11.0719, 10.8108, 13.4206



21.4315, 10.2826, 35.5995



1.0183, 0.4887, 1.6858

Inverse Universe

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



30.3415, 22.2735, 15.2715



48.8526, 32.3144, 17.3254



30.8979, 45.2900, 35.0831



10.6382, 10.6387, 11.0783



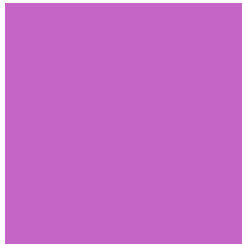
15.1545, 7.8113, 0.7573



0.7191, 0.3705, 0.0442

Previews

White Background



This preview shows how the XYZ color 37.8727, 25.2549, 56.3047 looks on a white background.

Color Contrast Check

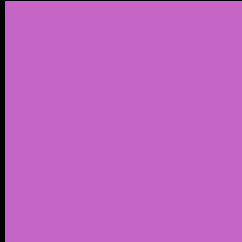
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.8727, 25.2549, 56.3047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

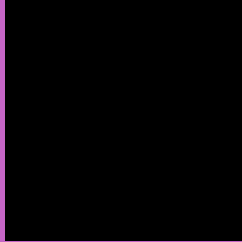
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.8727, 25.2549, 56.3047

Background



This preview shows how black text looks on a background with the XYZ color 37.8727, 25.2549, 56.3047.



This preview shows how white text looks on a background with the XYZ color 37.8727, 25.2549,

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

37.8727, 25.2549, 56.3047

Protanopia

27.8959, 25.6407, 76.1519

Deuteranopia

26.0643, 25.4072, 53.3995



Tritanopia

31.0482, 25.1805, 23.3026

Trichromacy



Original Color

37.8727, 25.2549, 56.3047



Protanomaly

29.6310, 24.3580, 68.1056



Deuteranomaly

29.0333, 24.3569, 54.2101



Tritanomaly

33.0298, 24.9646, 33.2148

Monochromacy



Original Color

37.8727, 25.2549, 56.3047



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

28.6804, 25.1074, 37.5170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8727, 25.2549, 56.3047 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(197, 101, 198)` looks like.

```
.text, #text, p{  
    color:rgb(197, 101, 198)  
}
```

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(197, 101, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 101, 198) }
```

Border

The CSS property to change the border of an element to XYZ 37.8727, 25.2549, 56.3047 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(197, 101, 198) }
```


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

```
.border{ border-color:rgb(197, 101, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 101, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 101, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 101, 198);  
box-shadow:4px 4px 4px 4px rgb(197, 101,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8727, 25.2549, 56.3047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 101, 198) }
```

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

```
.background{ background-color: rgb(197,  
101, 198) }
```

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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