

Converting Colors

XYZ(38.4643, 25.4561, 64.9426)

Have a look what the booklet for
XYZ(38.4643, 25.4561, 64.9426)
contains.

XYZ(38.6274, 25.5937, 65.1915)	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(38.6274, 25.5937,
65.1915)**

Conversions

Conversions Part 1

Format	Color
Hex	C166D4
RGB	193, 102, 212
RGB Percent	76%, 40%, 83%
CMY	0.2431, 0.6000, 0.1686
CMYK	0.09, 0.52, 0.00, 0.17
HSL	290°, 56%, 62%
HSV	290°, 52%, 83%
XYZ	38.6274, 25.5937, 65.1915
YIQ	141.7490, 18.9260, 53.5020

Conversions

Conversions Part 2

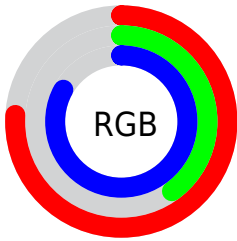
Format	Color
R _Y B	193, 102, 212
Decimal	12674772
CIE Lab	57.65, 52.90, -41.59
CIE LCh	58, 67.292, 321.831
Yxy	25.5937, 0.2985, 0.1978
Android (android.graphics.Color)	4290864852 (0xFFC166D4)
YUV	141.7490, 34.6337, 44.9471
Hunter-Lab	50.5902, 47.7581, -40.9891

Details

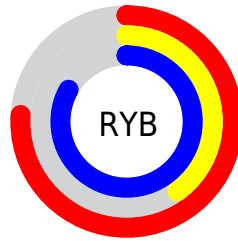
The XYZ color **38.6274, 25.5937, 65.1915** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **33.8277, 52.1118, 20.8472**, and the grayscale version is **25.4754, 26.8021, 29.1875**.

A 20% lighter version of the original color is **69.7221, 51.5062, 100.8747**, and **17.5006, 9.9493, 32.8963** is the 20% darker color. If you saturate the color by 10%, you get **35.8824, 21.4717, 64.5409**, and if you desaturate by 10%, it is **41.9300, 30.7951, 66.0218**.

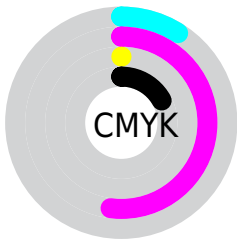
Distribution



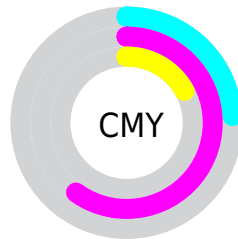
- Red (76%)
- Green (40%)
- Blue (83%)



- Red (76%)
- Yellow (40%)
- Blue (83%)



- Cyan (9%)
- Magenta (52%)
- Yellow (0%)
- Black (17%)



- Cyan (24%)
- Magenta (60%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6274, 25.5937, 65.1915 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 38.6274, 25.5937, 65.1915 by changing the saturation by 10% instead.


 38.6274, 25.5937,
65.1915


 38.6274, 25.5937,
65.1915

331.5383,
280.7818, 461.8049

 26.6494, 16.5199,
47.1640


 72.3665, 52.6188,
113.9410


 17.4453, 9.8928,
32.8101


 94.8583, 71.3388,
145.5002

 10.6498, 5.3279,
21.7111


 121.5854, 94.0431,
182.4070

 5.8974, 2.4409,
13.4485

 152.9132,
121.1161, 225.0800

 2.8229, 0.8468,
7.6037

189.2070,
152.9420, 273.9378

 1.0608, 0.0000,
3.7583

230.8323,

 0.0000, 0.0000,

189.9053, 329.3988

1.4937

278.1542,
232.3905, 391.8817

■ 0.0000, 0.0000,
0.2132

■ 0.0000, 0.0000,
0.0000

■ 38.6274, 25.5937,
65.1915

■ 38.6274, 25.5937,
65.1915

■ 35.8824, 21.4717,
64.5409

■ 41.9300, 30.7951,
66.0218

■ 33.6506, 18.3428,
64.0546

■ 45.8248, 37.1469,
67.0426

■ 31.8852, 16.1128,
63.7173

■ 50.3464, 44.7179,
68.2656

■ 30.5291, 14.6678,
63.5098

■ 55.5264, 53.5703,
69.7012

■ 29.6492, 13.9119,
63.4103

■ 61.3937, 63.7622,
71.3592

■ 67.9758, 75.3483,
73.2487

■ 75.2986, 88.3798,
75.3781

■ 77.8585, 91.8498,
75.9129

■ 78.9943, 92.4353,
75.9661

Harmonies

Analogous

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



30.5440, 25.5937, 92.5425



38.6274, 25.5937, 65.1915



43.0762, 25.5937, 34.6486

Triad

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



38.6274, 25.5937, 65.1915



26.5911, 25.5937, 2.9949



12.6062, 25.5937, 47.8020

Complementary

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



38.6274, 25.5937, 65.1915



33.8277, 52.1118, 20.8472

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.



12.0017, 25.5937, 22.0339



38.6274, 25.5937, 65.1915



19.0150, 25.5937, 3.6547

Square

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



38.6274, 25.5937, 65.1915



35.1930, 25.5937, 5.5326



14.0783, 25.5937, 8.4758



15.9637, 25.5937, 79.2250

Rectangle

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



38.6274, 25.5937, 65.1915



42.8255, 25.5937, 19.7352



14.0783, 25.5937, 8.4758



12.1092, 25.5937, 37.9729

Sweetspot

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



38.6283, 25.5948, 65.1921



80.8420, 75.3623, 104.8933



24.3442, 21.5395, 65.1622



16.9547, 15.5350, 22.3549



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.



38.6283, 25.5948, 65.1921



54.2130, 32.1947, 97.9646



39.8559, 26.6818, 44.7325



12.7328, 12.5192, 15.6829



18.3789, 8.6272, 39.1497



1.1653, 0.5496, 2.3640

Inverse Universe

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



35.3547, 24.8813, 21.0293



49.1567, 31.2514, 22.5788



33.5272, 51.7137, 31.8201



12.5099, 12.4555, 13.3595



16.9901, 8.7323, 1.9857



1.0520, 0.5376, 0.2633

Previews

White Background



This preview shows how the XYZ color 38.6274, 25.5937, 65.1915 looks on a white background.

Color Contrast Check

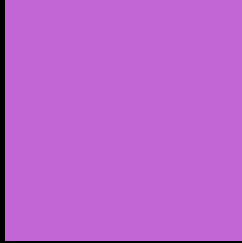
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.6274, 25.5937, 65.1915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

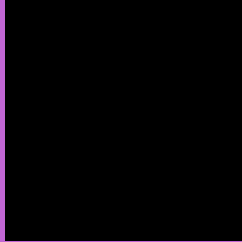
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.6274, 25.5937, 65.1915

Background



This preview shows how black text looks on a background with the XYZ color 38.6274, 25.5937, 65.1915.



This preview shows how white text looks on a background with the XYZ color 38.6274, 25.5937,

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

38.6274, 25.5937, 65.1915

Protanopia

29.0054, 25.9629, 87.4870

Deuteranopia

26.5383, 25.8997, 61.3580



Tritanopia

30.3477, 25.5028, 24.7958

Trichromacy



Original Color

38.6274, 25.5937, 65.1915



Protanomaly

30.4089, 24.5246, 78.7323



Deuteranomaly

29.5340, 24.7967, 62.9041



Tritanomaly

32.7256, 25.2386, 36.4044

Monochromacy



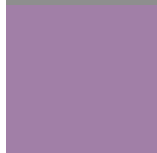
Original Color

38.6274, 25.5937, 65.1915



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

29.2624, 25.5458, 39.9478

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6274, 25.5937, 65.1915 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(193, 102, 212)` looks like.

```
.text, #text, p{  
    color:rgb(193, 102, 212)  
}
```

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(193, 102, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 102, 212) }
```

Border

The CSS property to change the border of an element to XYZ 38.6274, 25.5937, 65.1915 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(193, 102, 212) }
```


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

```
.border{ border-color:rgb(193, 102, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 102, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 102, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 102, 212);  
box-shadow:4px 4px 4px 4px rgb(193, 102,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6274, 25.5937, 65.1915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 102, 212) }
```

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

```
.background{ background-color: rgb(193,  
102, 212) }
```

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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