

Converting Colors

XYZ(38.9387, 24.9493, 46.6803)

Have a look what the booklet for
XYZ(38.9387, 24.9493, 46.6803)
contains.

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Color

**XYZ(38.8332, 24.8665,
46.4690)**

Conversions

Conversions Part 1

Format	Color
Hex	D25DB5
RGB	210, 93, 181
RGB Percent	82%, 36%, 71%
CMY	0.1765, 0.6353, 0.2902
CMYK	0.00, 0.56, 0.14, 0.18
HSL	315°, 57%, 59%
HSV	315°, 56%, 82%
XYZ	38.8332, 24.8665, 46.4690
YIQ	138.0150, 41.4840, 52.1720

Conversions

Conversions Part 2

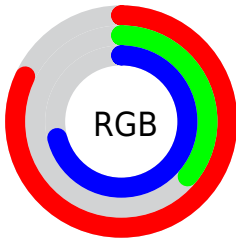
Format	Color
R _{YB}	210, 93, 181
Decimal	13786549
CIE _{Lab}	56.95, 56.60, -24.81
CIE _{LCh}	57, 61.796, 336.328
Yxy	24.8665, 0.3525, 0.2257
Android (android.graphics.Color)	4291976629 (0xFFD25DB5)
YUV	138.0150, 21.1916, 63.1308
Hunter-Lab	49.8663, 51.7401, -20.3442

Details

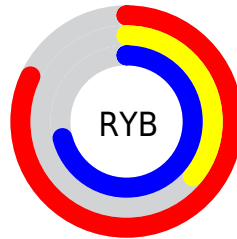
The XYZ color **38.8332, 24.8665, 46.4690** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted rose. A complement of this color would be **31.0748, 49.8264, 26.3940**, and the grayscale version is **24.0747, 25.3285, 27.5827**.

A 20% lighter version of the original color is **67.1160, 48.5542, 85.9553**, and **17.6342, 9.5329, 21.3327** is the 20% darker color. If you saturate the color by 10%, you get **36.7125, 21.4637, 43.1760**, and if you desaturate by 10%, it is **41.4814, 29.2916, 50.0368**.

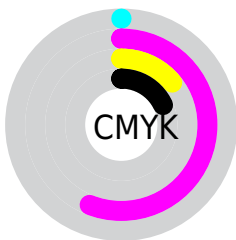
Distribution



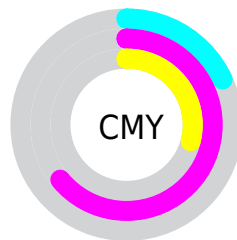
- Red (82%)
- Green (36%)
- Blue (71%)



- Red (82%)
- Yellow (36%)
- Blue (71%)



- Cyan (0%)
- Magenta (56%)
- Yellow (14%)
- Black (18%)





- Cyan (18%)
- Magenta (64%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8332, 24.8665, 46.4690 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 38.8332, 24.8665, 46.4690 by changing the saturation by 10% instead.

 38.8332, 24.8665,
46.4690


 38.8332, 24.8665,
46.4690


332.4002,
277.1725, 389.0232

 26.8101, 15.9776,
32.2647


 72.6791, 51.4406,
86.2621


 17.5665, 9.5083,
21.2973


 95.2327, 69.8945,
112.6881

 10.7370, 5.0742,
13.1481


 122.0272, 92.3057,
144.0250

 5.9563, 2.2909,
7.3987

 153.4279,
119.0583, 180.6914

 2.8589, 0.7689,
3.6305

189.8002,
150.5370, 223.1059

 1.0796, 0.0000,
1.4249

231.5094,

 0.0079, 0.0000,

187.1259, 271.6871

0.1610

278.9210,
229.2096, 326.8533

■ 0.0000, 0.0000,
0.0000

■ 38.8332, 24.8665,
46.4690

■ 38.8332, 24.8665,
46.4690

■ 36.7125, 21.4637,
43.1760

■ 41.4814, 29.2916,
50.0368

■ 35.0743, 18.9946,
40.1410

■ 44.6927, 34.8111,
53.8916

■ 33.8696, 17.3612,
37.3468

■ 48.5023, 41.4944,
58.0463

■ 33.0372, 16.4416,
34.7720

■ 52.9416, 49.4043,
62.5125

■ 32.7456, 16.1686,
33.7186

■ 58.0400, 58.5991,
67.3010

■ 63.8249, 69.1333,
72.4218

■ 70.3221, 81.0583,
77.8846

■ 75.6100, 90.5303,
83.0497

■ 76.3213, 90.8149,
86.7958

Harmonies

Analogous

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



32.8889, 24.8665, 73.6370



38.8332, 24.8665, 46.4690



40.3675, 24.8665, 22.9106

Triad

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



38.8332, 24.8665, 46.4690



22.1320, 24.8665, 3.6263



14.0916, 24.8665, 58.2684

Complementary

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



38.8332, 24.8665, 46.4690



31.0748, 49.8264, 26.3940

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.



12.3136, 24.8665, 31.7166



38.8332, 24.8665, 46.4690



16.3032, 24.8665, 5.9703

Square

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



38.8332, 24.8665, 46.4690



29.6833, 24.8665, 4.5044



13.0313, 24.8665, 14.0044



18.4695, 24.8665, 82.5443

Rectangle

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



38.8332, 24.8665, 46.4690



38.4544, 24.8665, 12.9519



13.0313, 24.8665, 14.0044



13.2157, 24.8665, 48.9134

Sweetspot

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



38.8340, 24.8677, 46.4695



81.0639, 74.7193, 95.9404



23.3359, 16.4978, 62.9279



17.0406, 15.4381, 20.2285



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.



38.8340, 24.8677, 46.4695



56.3879, 32.4103, 66.0021



34.1445, 22.9919, 21.7749



12.1803, 11.9569, 14.2255



20.0160, 9.8792, 20.7881



1.1497, 0.5646, 1.3232

Inverse Universe

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



38.8340, 24.8677, 46.4695



56.3879, 32.4103, 66.0021



35.6783, 51.6678, 50.6355



12.1803, 11.9569, 14.2255



20.0160, 9.8792, 20.7881



1.1497, 0.5646, 1.3232

Previews

White Background



This preview shows how the XYZ color 38.8332, 24.8665, 46.4690 looks on a white background.

Color Contrast Check

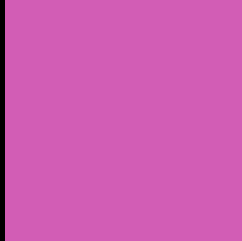
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.8332, 24.8665, 46.4690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

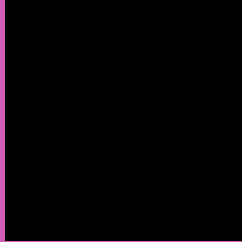
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.8332, 24.8665, 46.4690

Background



This preview shows how black text looks on a background with the XYZ color 38.8332, 24.8665, 46.4690.



This preview shows how white text looks on a background with the XYZ color 38.8332, 24.8665,

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

38.8332, 24.8665, 46.4690

Protanopia

26.9859, 25.3711, 67.0931

Deuteranopia

25.6640, 25.2092, 43.5576



Tritanopia

33.1435, 24.6826, 19.5404

Trichromacy



Original Color

38.8332, 24.8665, 46.4690



Protanomaly

29.0542, 23.7170, 58.9236



Deuteranomaly

29.1495, 24.0808, 44.7067



Tritanomaly

35.0375, 24.7158, 27.7349

Monochromacy



Original Color

38.8332, 24.8665, 46.4690



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

28.1021, 24.1447, 33.7511

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8332, 24.8665, 46.4690 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(210, 93, 181)` looks like.

```
.text, #text, p{  
    color:rgb(210, 93, 181)  
}
```

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(210, 93, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 93, 181) }
```

Border

The CSS property to change the border of an element to XYZ 38.8332, 24.8665, 46.4690 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(210, 93, 181) }
```


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

```
.border{ border-color:rgb(210, 93, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 93, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 93, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 93, 181);  
box-shadow:4px 4px 4px 4px rgb(210, 93,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8332, 24.8665, 46.4690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 93, 181) }
```

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

```
.background{ background-color: rgb(210, 93,  
181) }
```

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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