

Converting Colors

XYZ(38.4450, 21.9746, 46.5857)

Have a look what the booklet for
XYZ(38.4450, 21.9746, 46.5857)
contains.

XYZ(38.3032, 21.9298, 46.4700)	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(38.3032, 21.9298,
46.4700)**

Conversions

Conversions Part 1

Format	Color
Hex	D645B6
RGB	214, 69, 182
RGB Percent	84%, 27%, 71%
CMY	0.1608, 0.7294, 0.2863
CMYK	0.00, 0.68, 0.15, 0.16
HSL	313°, 64%, 55%
HSV	313°, 68%, 84%
XYZ	38.3032, 21.9298, 46.4700
YIQ	125.2370, 50.1470, 65.8830

Conversions

Conversions Part 2

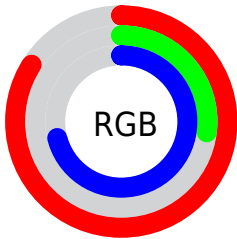
Format	Color
RYB	214, 69, 182
Decimal	14042550
CIELab	53.95, 67.80, -29.97
CIElCh	54, 74.130, 336.151
Yxy	21.9298, 0.3590, 0.2055
Android (android.graphics.Color)	4292232630 (0xFFD645B6)
YUV	125.2370, 27.9842, 77.8452
Hunter-Lab	46.8293, 64.0498, -26.0547

Details

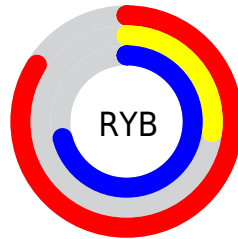
The XYZ color **38.3032, 21.9298, 46.4700** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **28.8509, 50.2988, 20.5021**, and the grayscale version is **19.4708, 20.4848, 22.3080**.

A 20% lighter version of the original color is **64.3918, 42.8714, 85.7701**, and **17.6727, 8.6529, 21.5076** is the 20% darker color. If you saturate the color by 10%, you get **36.7363, 19.5636, 43.5800**, and if you desaturate by 10%, it is **40.3625, 25.2536, 49.6057**.

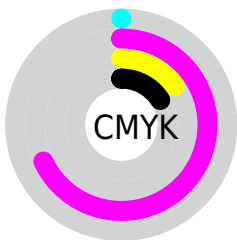
Distribution



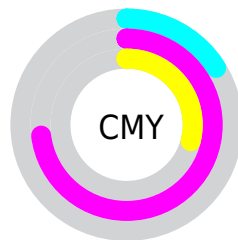
- Red (84%)
- Green (27%)
- Blue (71%)



- Red (84%)
- Yellow (27%)
- Blue (71%)



- Cyan (0%)
- Magenta (68%)
- Yellow (15%)
- Black (16%)





- Cyan (16%)
- Magenta (73%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.3032, 21.9298, 46.4700 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 38.3032, 21.9298, 46.4700 by changing the saturation by 10% instead.

 38.3032, 21.9298,
46.4700


 38.3032, 21.9298,
46.4700


330.1772,
262.1795, 389.0273

 26.3964, 13.8053,
32.2655


 71.8735, 46.6299,
86.2636


 17.2546, 7.9854,
21.2979


 94.2678, 63.9744,
112.6899


 10.5126, 4.0856,
13.1486


 120.8885, 85.1610,
144.0271

 5.8050, 1.7216,
7.3990

 152.1011,
110.5741, 180.6939

 2.7664, 0.4376,
3.6307

 188.2709,
140.5981, 223.1088

 1.0315, 0.0000,
1.4250

229.7633,

 0.0000, 0.0000,

175.6174, 271.6903

0.1611

276.9436,
216.0164, 326.8570

■ 0.0000, 0.0000,
0.0000

■ 38.3032, 21.9298,
46.4700

■ 38.3032, 21.9298,
46.4700

■ 36.7363, 19.5636,
43.5800

■ 40.3625, 25.2536,
49.6057

■ 35.6056, 18.0442,
40.9156

■ 42.9580, 29.6235,
53.0020

■ 34.8361, 17.2215,
38.4514

■ 46.1310, 35.1216,
56.6736

■ 34.6856, 17.0778,
37.9161

■ 49.9180, 41.8207,
60.6334

■ 54.3527, 49.7877,
64.8934

■ 59.4660, 59.0845,
69.4646

■ 65.2870, 69.7688,
74.3574

■ 71.8431, 81.8951,
79.5817

■ 77.0154, 91.2257,
84.4320

Harmonies

Analogous

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



31.2917, 21.9298, 79.9921



38.3032, 21.9298, 46.4700



40.1693, 21.9298, 19.4639

Triad

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



38.3032, 21.9298, 46.4700



19.2393, 21.9298, 1.4045



10.7313, 21.9298, 60.4068

Complementary

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



38.3032, 21.9298, 46.4700



28.8509, 50.2988, 20.5021

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.



8.9905, 21.9298, 28.9132



38.3032, 21.9298, 46.4700



13.0262, 21.9298, 3.0516

Square

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



38.3032, 21.9298, 46.4700



27.6978, 21.9298, 2.0043



9.7075, 21.9298, 10.1335



15.2252, 21.9298, 91.0265

Rectangle

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



38.3032, 21.9298, 46.4700



37.9128, 21.9298, 9.2547



9.7075, 21.9298, 10.1335



9.8653, 21.9298, 49.0146

Sweetspot

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



38.3039, 21.9309, 46.4704



79.1232, 70.9619, 94.9112



19.5687, 11.8458, 64.8740



16.5282, 14.4557, 19.9269



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.



38.3039, 21.9309, 46.4704



53.8754, 28.0349, 63.1622



32.6797, 19.6812, 16.8537



12.8302, 12.5836, 15.0463



21.0054, 10.3385, 23.1305



1.2966, 0.6354, 1.5513

Inverse Universe

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



38.3039, 21.9309, 46.4704



53.8754, 28.0349, 63.1622



34.0366, 52.3731, 47.8094



12.8302, 12.5836, 15.0463



21.0054, 10.3385, 23.1305



1.2966, 0.6354, 1.5513

Previews

White Background



This preview shows how the XYZ color 38.3032, 21.9298, 46.4700 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 38.3032, 21.9298, 46.4700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

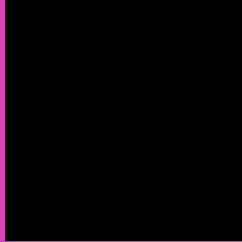
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.3032, 21.9298, 46.4700

Background



This preview shows how black text looks on a background with the XYZ color 38.3032, 21.9298, 46.4700.

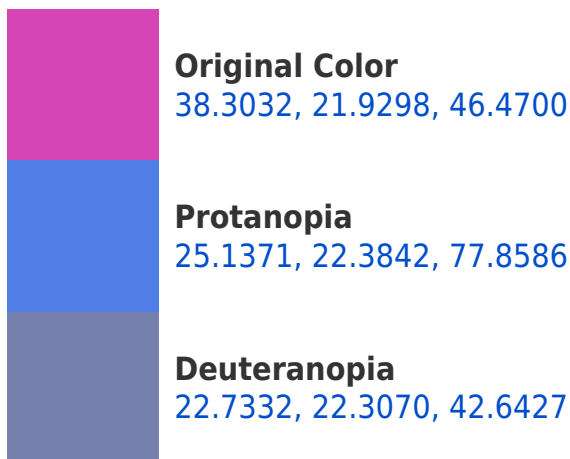


This preview shows how white text looks on a background with the XYZ color 38.3032, 21.9298,

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





Tritanopia

31.6201, 21.8514, 14.3556

Trichromacy



Original Color

38.3032, 21.9298, 46.4700



Protanomaly

26.1151, 19.5744, 65.3526



Deuteranomaly

26.2310, 20.4223, 43.6337



Tritanomaly

33.4273, 21.4809, 23.1533

Monochromacy



Original Color

38.3032, 21.9298, 46.4700



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

24.1445, 19.3466, 29.6558

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3032, 21.9298, 46.4700 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(214, 69, 182)` looks like.

```
.text, #text, p{  
    color:rgb(214, 69, 182)  
}
```

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(214, 69, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 69, 182) }
```

Border

The CSS property to change the border of an element to XYZ 38.3032, 21.9298, 46.4700 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(214, 69, 182) }
```


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

```
.border{ border-color:rgb(214, 69, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 69, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 69, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 69, 182);  
box-shadow:4px 4px 4px 4px rgb(214, 69,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3032, 21.9298, 46.4700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 69, 182) }
```

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

```
.background{ background-color: rgb(214, 69,  
182) }
```

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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