

Converting Colors

XYZ(46.6323, 38.6598, 77.0884)

Have a look what the booklet for
XYZ(46.6323, 38.6598, 77.0884)
contains.

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Color

**XYZ(46.6261, 38.6411,
76.9525)**

Conversions

Conversions Part 1

Format	Color
Hex	C196E2
RGB	193, 150, 226
RGB Percent	76%, 59%, 89%
CMY	0.2431, 0.4117, 0.1137
CMYK	0.15, 0.34, 0.00, 0.11
HSL	274°, 57%, 74%
HSV	274°, 34%, 89%
XYZ	46.6261, 38.6411, 76.9525
YIQ	171.5210, 1.2320, 32.7520

Conversions

Conversions Part 2

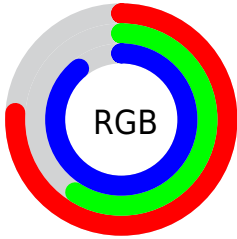
Format	Color
R_{YB}	193, 150, 226
Decimal	12687074
CIE _{Lab}	68.49, 30.15, -32.48
CIE _{LCh}	68, 44.316, 312.876
Yxy	38.6411, 0.2874, 0.2382
Android (android.graphics.Color)	4290877154 (0xFFC196E2)
YUV	171.5210, 26.8581, 18.8371
Hunter-Lab	62.1620, 25.1048, -29.8838

Details

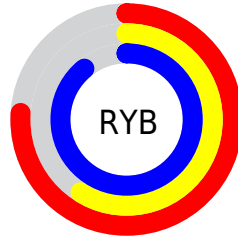
The XYZ color **46.6261, 38.6411, 76.9525** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **52.2310, 66.6629, 38.9702**, and the grayscale version is **38.8404, 40.8631, 44.4999**.

A 20% lighter version of the original color is **79.3057, 71.2066, 104.1721**, and **22.1988, 17.2292, 40.1858** is the 20% darker color. If you saturate the color by 10%, you get **40.9426, 30.8648, 75.7517**, and if you desaturate by 10%, it is **53.1737, 47.8971, 78.3946**.

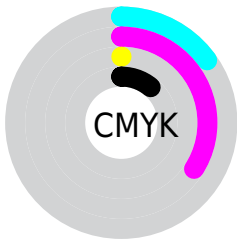
Distribution



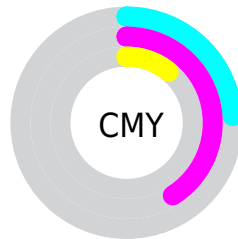
- Red (76%)
- Green (59%)
- Blue (89%)



- Red (76%)
- Yellow (59%)
- Blue (89%)



- Cyan (15%)
- Magenta (34%)
- Yellow (0%)
- Black (11%)





- Cyan (24%)
- Magenta (41%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.6261, 38.6411, 76.9525 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 46.6261, 38.6411, 76.9525 by changing the saturation by 10% instead.


 46.6261, 38.6411,
76.9525


 46.6261, 38.6411,
76.9525


363.9940,
340.3622, 504.0354

 32.9469, 26.4806,
56.7026


 84.3774, 73.0897,
130.8448

 22.2448, 17.1836,
40.3587

 109.1802, 96.1467,
165.3243

 14.1545, 10.3654,
27.5024

138.4215,
123.6046, 205.3840

 8.3106, 5.6419,
17.7152

172.4667,
155.8478, 251.4425

 4.3478, 2.6286,
10.5784

211.6812,
193.2608, 303.9184

 1.9007, 0.9411,
5.6735

256.4304,

 0.5773, 0.0000,

236.2279, 363.2301

2.5820

307.0795,
285.1336, 429.7963

■ 0.0000, 0.0000,
0.8832

■ 0.0000, 0.0000,
0.0000

■ 46.6261, 38.6411,
76.9525

■ 46.6261, 38.6411,
76.9525

■ 40.9426, 30.8648,
75.7517

■ 53.1737, 47.8971,
78.3946

■ 36.0760, 24.4814,
74.7761

■ 60.6214, 58.7034,
80.0879

■ 31.9799, 19.4024,
74.0116

■ 69.0079, 71.1318,
82.0448

■ 28.6015, 15.5268,
73.4416

■ 78.3684, 85.2480,
84.2762

■ 25.8797, 12.7379,
73.0468

■ 86.1289, 95.9003,
85.9232

■ 23.7412, 10.8945,
72.8037

■ 89.5895, 97.6843,
86.0852

■ 22.6099, 10.0700,
72.7041

■ 90.7276, 98.2710,
86.1385

Harmonies

Analogous

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



39.7967, 38.6411, 91.7051



46.6261, 38.6411, 76.9525



51.0883, 38.6411, 54.4226

Triad

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



46.6261, 38.6411, 76.9525



40.8181, 38.6411, 15.0122



25.1459, 38.6411, 51.2235

Complementary

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



46.6261, 38.6411, 76.9525



52.2310, 66.6629, 38.9702

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.



25.3463, 38.6411, 31.7500



46.6261, 38.6411, 76.9525



33.8197, 38.6411, 14.6447

Square

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



46.6261, 38.6411, 76.9525



47.4549, 38.6411, 20.9817



28.3390, 38.6411, 19.7413



27.7519, 38.6411, 73.9815

Rectangle

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



46.6261, 38.6411, 76.9525



51.8113, 38.6411, 40.1762



28.3390, 38.6411, 19.7413



24.8980, 38.6411, 44.0298

Sweetspot

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



46.6274, 38.6427, 76.9534



83.4910, 82.7559, 106.1808



43.4886, 46.3406, 78.6046



17.5448, 17.2325, 22.6514



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.



46.6274, 38.6427, 76.9534



56.2223, 43.8086, 100.1004



55.4830, 43.2675, 74.6758



13.6905, 13.6240, 17.2958



13.0375, 5.8164, 41.4839



1.0058, 0.4558, 2.8802

Inverse Universe

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



50.8188, 41.4018, 50.1141



62.7425, 48.0870, 58.9723



45.5914, 63.2041, 40.2829



13.9531, 13.7989, 15.5234



19.2116, 9.7517, 7.7802



1.3760, 0.6937, 0.7727

Previews

White Background



This preview shows how the XYZ color 46.6261, 38.6411, 76.9525 looks on a white background.

Color Contrast Check

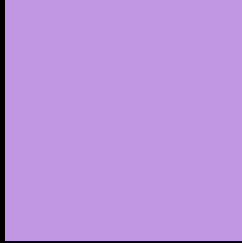
Large Text (above 18pt) WCAG AA × Fail

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 46.6261, 38.6411, 76.9525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

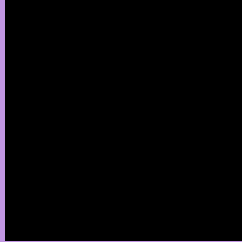
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.6261, 38.6411, 76.9525

Background



This preview shows how black text looks on a background with the XYZ color 46.6261, 38.6411, 76.9525.



This preview shows how white text looks on a background with the XYZ color 46.6261, 38.6411,

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

46.6261, 38.6411, 76.9525

Protanopia

40.2428, 38.9540, 85.5186

Deuteranopia

39.9113, 39.0103, 75.2382



Tritanopia

40.2953, 38.8212, 44.9046

Trichromacy



Original Color

46.6261, 38.6411, 76.9525

Protanomaly

42.1791, 38.7062, 82.3388

Deuteranomaly

42.1738, 38.8483, 75.7967

Tritanomaly

42.3104, 38.6111, 55.0919

Monochromacy



Original Color

46.6261, 38.6411, 76.9525

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

41.6123, 40.0600, 55.4083

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6261, 38.6411, 76.9525 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, 150, 226)` looks like.

```
.text, #text, p{  
    color:rgb(193, 150, 226)  
}
```

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, 150, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 150, 226) }
```

Border

The CSS property to change the border of an element to XYZ 46.6261, 38.6411, 76.9525 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, 150, 226) }
```


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

```
.border{ border-color:rgb(193, 150, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 150, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 150, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 150, 226);  
box-shadow:4px 4px 4px 4px rgb(193, 150,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6261, 38.6411, 76.9525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 150, 226) }
```

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

```
.background{ background-color: rgb(193,  
150, 226) }
```

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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