

Converting Colors

XYZ(53.2475, 46.5715, 81.7848)

Have a look what the booklet for
XYZ(53.2475, 46.5715, 81.7848)
contains.

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Color

**XYZ(53.3283, 46.6122,
81.7876)**

Conversions

Conversions Part 1

Format	Color
Hex	CCA8E7
RGB	204, 168, 231
RGB Percent	80%, 66%, 91%
CMY	0.2000, 0.3412, 0.0941
CMYK	0.12, 0.27, 0.00, 0.09
HSL	274°, 57%, 78%
HSV	274°, 27%, 91%
XYZ	53.3283, 46.6122, 81.7876
YIQ	185.9460, 1.2330, 27.2250

Conversions

Conversions Part 2

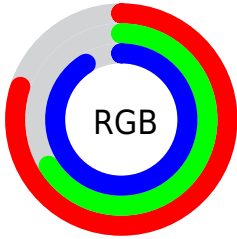
Format	Color
RYB	204, 168, 231
Decimal	13412583
CIELab	73.94, 24.71, -26.73
CIELCh	74, 36.408, 312.752
Yxy	46.6122, 0.2935, 0.2565
Android (android.graphics.Color)	4291602663 (0xFFCCA8E7)
YUV	185.9460, 22.2116, 15.8334
Hunter-Lab	68.2731, 19.9488, -23.2351

Details

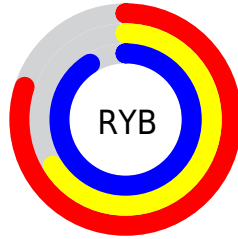
The XYZ color **53.3283, 46.6122, 81.7876** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **58.1510, 71.5822, 47.7998**, and the grayscale version is **46.5224, 48.9451, 53.3013**.

A 20% lighter version of the original color is **85.6777, 81.2554, 105.7759**, and **26.3777, 21.9755, 43.4089** is the 20% darker color. If you saturate the color by 10%, you get **46.8090, 37.4740, 80.3681**, and if you desaturate by 10%, it is **60.7806, 57.3582, 83.4697**.

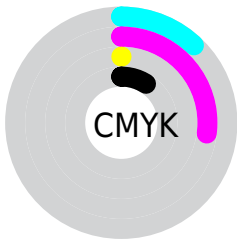
Distribution



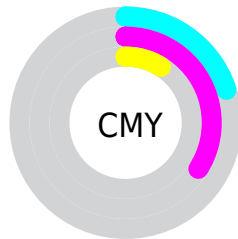
- Red (80%)
- Green (66%)
- Blue (91%)



- Red (80%)
- Yellow (66%)
- Blue (91%)



- Cyan (12%)
- Magenta (27%)
- Yellow (0%)
- Black (9%)





- Cyan (20%)
- Magenta (34%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.3283, 46.6122, 81.7876 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 53.3283, 46.6122, 81.7876 by changing the saturation by 10% instead.


 53.3283, 46.6122,
81.7876

 53.3283, 46.6122,
81.7876


389.7837,
373.2645, 520.8017

 38.2934, 32.7292,
60.6557


 94.2500, 85.1345,
137.7101

 26.3888, 21.9191,
43.5186


 120.8675,
110.5425, 173.3378

 17.2489, 13.7974,
29.9578


152.0766,
140.5610, 214.6345

 10.5085, 7.9799,
19.5548

188.2427,
175.5744, 262.0187

 5.8022, 4.0821,
11.8910

229.7311,
215.9671, 315.9090

 2.7647, 1.7196,
6.5478

276.9071,

 1.0306, 0.4363,

262.1233, 376.7239

3.1069

330.1362,
314.4277, 444.8820

■ 0.0000, 0.0000,
1.1495

■ 0.0000, 0.0000,
0.0000

■ 53.3283, 46.6122,
81.7876

■ 53.3283, 46.6122,
81.7876

■ 46.8090, 37.4740,
80.3681

■ 60.7806, 57.3582,
83.4697

■ 41.1750, 29.8559,
79.1946

■ 69.2016, 69.7821,
85.4240

■ 36.3806, 23.6707,
78.2534

■ 78.6306, 83.9567,
87.6630

■ 32.3740, 18.8194,
77.5282

■ 87.3545, 96.4517,
89.6149

■ 29.0966, 15.1901,
77.0004

■ 90.8753, 98.2667,
89.7797

■ 26.4801, 12.6518,
76.6484

■ 91.4239, 98.5496,
89.8054

■ 24.4360, 11.0325,
76.4436

■ 23.9395, 10.6750,
76.4007

Harmonies

Analogous

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



47.1162, 46.6122, 94.2120



53.3283, 46.6122, 81.7876



57.3254, 46.6122, 62.1071

Triad

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



53.3283, 46.6122, 81.7876



48.1085, 46.6122, 23.6956



33.2104, 46.6122, 59.0595

Complementary

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



53.3283, 46.6122, 81.7876



58.1510, 71.5822, 47.7998

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.



33.4200, 46.6122, 40.8741



53.3283, 46.6122, 81.7876



41.6050, 46.6122, 23.2615

Square

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



53.3283, 46.6122, 81.7876



54.1156, 46.6122, 30.1483



36.3590, 46.6122, 28.7687



35.7555, 46.6122, 79.0922

Rectangle

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



53.3283, 46.6122, 81.7876



57.9772, 46.6122, 49.0556



36.3590, 46.6122, 28.7687



32.9688, 46.6122, 52.4886

Sweetspot

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



53.3298, 46.6142, 81.7886



85.7402, 86.0472, 106.6975



50.1564, 53.2610, 83.2389



17.9968, 17.8901, 22.7545



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.



53.3298, 46.6142, 81.7886



61.7785, 51.3392, 101.2611



60.7964, 50.5311, 79.0784



14.3673, 14.2916, 18.1456



13.5656, 6.0592, 42.8377



1.1083, 0.5023, 3.1705

Inverse Universe

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



56.8095, 48.9363, 58.0832



67.0267, 54.8300, 66.0274



52.1916, 68.4641, 49.5967



14.6321, 14.4700, 16.2630



19.7970, 10.0530, 7.8262



1.5087, 0.7612, 0.8193

Previews

White Background



This preview shows how the XYZ color 53.3283, 46.6122, 81.7876 looks on a white background.

Color Contrast Check

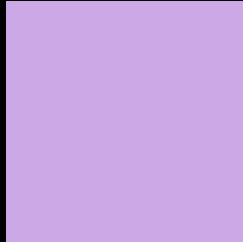
Large Text (above 18pt) WCAG AA × Fail

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 53.3283, 46.6122, 81.7876 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 53.3283, 46.6122, 81.7876

Background



This preview shows how black text looks on a background with the XYZ color 53.3283, 46.6122, 81.7876.



This preview shows how white text looks on a background with the XYZ color 53.3283, 46.6122,

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

53.3283, 46.6122, 81.7876

Protanopia

47.7753, 47.0408, 88.9998

Deuteranopia

47.7424, 46.6119, 80.6094



Tritanopia

47.8456, 46.6387, 55.1956

Trichromacy



Original Color

53.3283, 46.6122, 81.7876

Protanomaly

49.6338, 46.8684, 86.5513

Deuteranomaly

49.6687, 46.4244, 81.2059

Tritanomaly

49.7824, 46.5743, 64.1235

Monochromacy



Original Color

53.3283, 46.6122, 81.7876

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

48.7731, 47.8419, 62.5409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.3283, 46.6122, 81.7876 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(204, 168, 231)` looks like.

```
.text, #text, p{  
    color:rgb(204, 168, 231)  
}
```

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(204, 168, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 168, 231) }
```

Border

The CSS property to change the border of an element to XYZ 53.3283, 46.6122, 81.7876 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(204, 168, 231) }
```


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

```
.border{ border-color:rgb(204, 168, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 168, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 168, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 168, 231);  
box-shadow:4px 4px 4px 4px rgb(204, 168,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 53.3283, 46.6122, 81.7876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 168, 231) }
```

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

```
.background{ background-color: rgb(204,  
168, 231) }
```

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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