

Converting Colors

XYZ(52.5210, 42.3882, 80.5621)

Have a look what the booklet for
XYZ(52.5210, 42.3882, 80.5621)
contains.

XYZ(52.5381, 42.3445, 80.2672)	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(52.5381, 42.3445,
80.2672)**

Conversions

Conversions Part 1

Format	Color
Hex	D399E6
RGB	211, 153, 230
RGB Percent	83%, 60%, 90%
CMY	0.1725, 0.4000, 0.0980
CMYK	0.08, 0.33, 0.00, 0.10
HSL	285°, 61%, 75%
HSV	285°, 33%, 90%
XYZ	52.5381, 42.3445, 80.2672
YIQ	179.1200, 9.8510, 36.2430

Conversions

Conversions Part 2

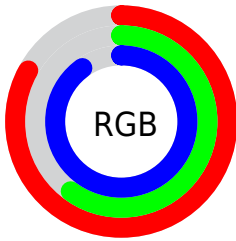
Format	Color
R _{YB}	211, 153, 230
Decimal	13867494
CIE _{Lab}	71.11, 34.88, -30.49
CIE _{LCh}	71, 46.325, 318.846
Yxy	42.3445, 0.3000, 0.2418
Android (android.graphics.Color)	4292057574 (0xFFD399E6)
YUV	179.1200, 25.0838, 27.9588
Hunter-Lab	65.0727, 30.2395, -27.5834

Details

The XYZ color **52.5381, 42.3445, 80.2672** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **51.0613, 67.6653, 40.5084**, and the grayscale version is **42.7797, 45.0076, 49.0133**.

A 20% lighter version of the original color is **81.8459, 73.5918, 104.4986**, and **25.8112, 19.3319, 42.4154** is the 20% darker color. If you saturate the color by 10%, you get **47.5332, 34.7053, 79.0571**, and if you desaturate by 10%, it is **58.3287, 51.4680, 81.7237**.

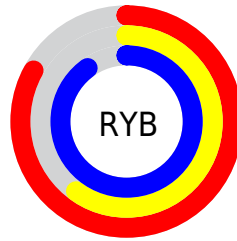
Distribution



Red (83%)

Green (60%)

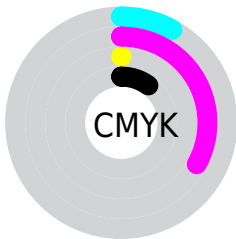
Blue (90%)



Red (83%)

Yellow (60%)

Blue (90%)

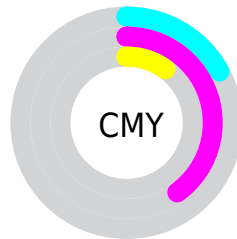


Cyan (8%)

Magenta (33%)

Yellow (0%)

Black (10%)



Cyan (17%)


Magenta (40%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.5381, 42.3445, 80.2672 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 52.5381, 42.3445, 80.2672 by changing the saturation by 10% instead.


 52.5381, 42.3445,
80.2672

 52.5381, 42.3445,
80.2672


386.8004,
355.9090, 515.5634

 37.6602, 29.3711,
59.4108


 93.0939, 78.7207,
135.5561

 25.8951, 19.3618,
42.5217


 119.5024,
102.8924, 170.8257

 16.8774, 11.9320,
29.1814

150.4852,
131.5657, 211.7368

 10.2419, 6.6974,
18.9713

186.4076,
165.1248, 258.7079

 5.6231, 3.2736,
11.4730

227.6350,
203.9544, 312.1576

 2.6558, 1.2762,
6.2678

274.5327,

 0.9745, 0.1226,

248.4387, 372.5044

2.9372

327.4660,
298.9621, 440.1668

■ 0.0000, 0.0000,
1.0626

■ 0.0000, 0.0000,
0.0000

■ 52.5381, 42.3445,
80.2672

■ 52.5381, 42.3445,
80.2672

■ 47.5332, 34.7053,
79.0571

■ 58.3287, 51.4680,
81.7237

■ 43.2675, 28.4609,
78.0767

■ 64.9398, 62.1475,
83.4366

■ 39.6956, 23.5206,
77.3114

■ 72.4094, 74.4569,
85.4188

■ 36.7651, 19.7807,
76.7439

■ 80.7713, 88.4632,
87.6816

■ 34.4156, 17.1210,
76.3544

■ 85.7676, 95.6499,
88.8054

■ 32.5739, 15.3962,
76.1185

■ 87.7181, 96.6554,
88.8967

■ 31.5714, 14.6257,
76.0226

■ 89.7293, 97.6922,
88.9908

■ 91.2831, 98.4932,
89.0636

Harmonies

Analogous

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



45.2537, 42.3445, 99.4161



52.5381, 42.3445, 80.2672



56.7034, 42.3445, 54.8613

Triad

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



52.5381, 42.3445, 80.2672



43.1983, 42.3445, 15.6372



27.7309, 42.3445, 61.3064

Complementary

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



52.5381, 42.3445, 80.2672



51.0613, 67.6653, 40.5084

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.



27.3293, 42.3445, 38.3355



52.5381, 42.3445, 80.2672



35.6243, 42.3445, 16.3688

Square

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



52.5381, 42.3445, 80.2672



50.8682, 42.3445, 20.8653



30.0403, 42.3445, 23.3430



31.2181, 42.3445, 86.2677

Rectangle

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



52.5381, 42.3445, 80.2672



56.8345, 42.3445, 39.8513



30.0403, 42.3445, 23.3430



27.2489, 42.3445, 52.9830

Sweetspot

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



52.5395, 42.3463, 80.2681



85.1707, 83.6218, 106.2594



42.2216, 42.0876, 80.7620



17.9521, 17.4425, 22.6705



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.



52.5395, 42.3463, 80.2681



62.0202, 46.7975, 100.3717



55.7522, 44.2978, 67.0769



14.6295, 14.4268, 18.1579



17.9903, 8.3402, 43.0448



1.4123, 0.6590, 3.1847

Inverse Universe

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



51.4721, 42.5858, 44.5386



60.6841, 47.2636, 48.1328



48.9056, 66.3552, 49.3878



14.5221, 14.4260, 15.6838



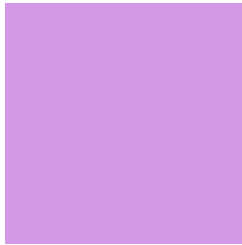
18.9305, 9.7064, 3.2631



1.4352, 0.7318, 0.4325

Previews

White Background



This preview shows how the XYZ color 52.5381, 42.3445, 80.2672 looks on a white background.

Color Contrast Check

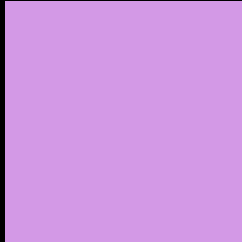
Large Text (above 18pt) WCAG AA × Fail

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 52.5381, 42.3445, 80.2672 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 52.5381, 42.3445, 80.2672

Background



This preview shows how black text looks on a background with the XYZ color 52.5381, 42.3445, 80.2672.



This preview shows how white text looks on a background with the XYZ color 52.5381, 42.3445,

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

52.5381, 42.3445, 80.2672

Protanopia

44.0306, 42.7121, 91.5116

Deuteranopia

43.3946, 42.4033, 77.8490



Tritanopia

45.7405, 42.3820, 46.8441

Trichromacy



Original Color

52.5381, 42.3445, 80.2672



Protanomaly

46.2687, 42.0265, 87.3347



Deuteranomaly

45.9630, 41.8003, 78.3188



Tritanomaly

47.9882, 42.2489, 57.8502

Monochromacy



Original Color

52.5381, 42.3445, 80.2672



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

46.0536, 43.9030, 59.4729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.5381, 42.3445, 80.2672 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(211, 153, 230)` looks like.

```
.text, #text, p{  
    color:rgb(211, 153, 230)  
}
```

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(211, 153, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 153, 230) }
```

Border

The CSS property to change the border of an element to XYZ 52.5381, 42.3445, 80.2672 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(211, 153, 230) }
```


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

```
.border{ border-color:rgb(211, 153, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 153, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 153, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 153, 230);  
box-shadow:4px 4px 4px 4px rgb(211, 153,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 52.5381, 42.3445, 80.2672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 153, 230) }
```

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

```
.background{ background-color: rgb(211,  
153, 230) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor