

Converting Colors

XYZ(42.4049, 25.4276, 80.1581)

Have a look what the booklet for
XYZ(42.4049, 25.4276, 80.1581)
contains.

XYZ(42.5111, 25.5028, 80.5239)	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(42.5111, 25.5028,
80.5239)**

Conversions

Conversions Part 1

Format	Color
Hex	C959EA
RGB	201, 89, 234
RGB Percent	79%, 35%, 92%
CMY	0.2118, 0.6510, 0.0824
CMYK	0.14, 0.62, 0.00, 0.08
HSL	286°, 78%, 63%
HSV	286°, 62%, 92%
XYZ	42.5111, 25.5028, 80.5239
YIQ	139.0180, 20.2070, 68.8390

Conversions

Conversions Part 2

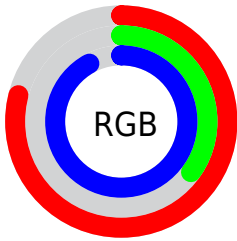
Format	Color
R _{YB}	201, 89, 234
Decimal	13195754
CIE _{Lab}	57.56, 65.30, -54.03
CIE _{LCh}	58, 84.755, 320.393
Yxy	25.5028, 0.2862, 0.1717
Android (android.graphics.Color)	4291385834 (0xFFC959EA)
YUV	139.0180, 46.8261, 54.3582
Hunter-Lab	50.5003, 61.8856, -59.1891

Details

The XYZ color **42.5111, 25.5028, 80.5239** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **39.2528, 63.7051, 19.6796**, and the grayscale version is **24.3687, 25.6378, 27.9196**.

A 20% lighter version of the original color is **69.4154, 48.7308, 100.3551**, and **19.6554, 9.7978, 42.4502** is the 20% darker color. If you saturate the color by 10%, you get **39.4575, 21.4834, 79.9094**, and if you desaturate by 10%, it is **46.2349, 30.7871, 81.3480**.

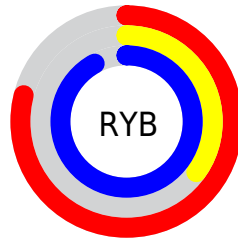
Distribution



Red (79%)

Green (35%)

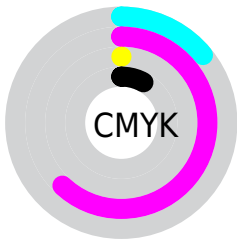
Blue (92%)



Red (79%)

Yellow (35%)

Blue (92%)

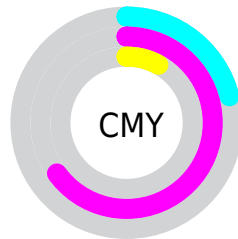


Cyan (14%)

Magenta (62%)

Yellow (0%)

Black (8%)



Cyan (21%)


Magenta (65%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.5111, 25.5028, 80.5239 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 42.5111, 25.5028, 80.5239 by changing the saturation by 10% instead.

 42.5111, 25.5028,
80.5239

 42.5111, 25.5028,
80.5239

347.5530,
280.3327, 516.4499

 29.6946, 16.4521,
59.6209


 78.2329, 52.4717,
135.9201


 19.7538, 9.8446,
42.6898


 101.8689, 71.1587,
171.2503

 12.3234, 5.2960,
29.3122


 129.8420, 93.8266,
212.2267

 7.0381, 2.4220,
19.0695

 162.5177,
120.8597, 259.2678

 3.5325, 0.8372,
11.5432

200.2613,
152.6425, 312.7922

 1.4412, 0.0000,
6.3147

243.4381,

 0.2853, 0.0000,

189.5593, 373.2182

2.9655

292.4136,
231.9946, 440.9647

■ 0.0000, 0.0000,
1.0770

■ 0.0000, 0.0000,
0.0000

■ 42.5111, 25.5028,
80.5239

■ 42.5111, 25.5028,
80.5239

■ 39.4575, 21.4834,
79.9094

■ 46.2349, 30.7871,
81.3480

■ 37.0097, 18.6035,
79.4826


■ 50.6795, 37.4394,
82.3978


■ 35.0948, 16.7172,
79.2194


■ 55.8936, 45.5557,
83.6896


■ 33.8481, 15.7337,
79.0953


■ 61.9208, 55.2223,
85.2377

 68.8012, 66.5188,
87.0556

 76.5723, 79.5194,
89.1554

 85.2691, 94.2936,
91.5487

 87.7828, 96.6231,
91.8658

 89.6536, 97.5876,
91.9534

Harmonies

Analogous

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



31.6635, 25.5028, 119.4550



42.5111, 25.5028, 80.5239



48.8997, 25.5028, 38.1329

Triad

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



42.5111, 25.5028, 80.5239



27.6304, 25.5028, 1.1022



10.2037, 25.5028, 52.0344

Complementary

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



42.5111, 25.5028, 80.5239



39.2528, 63.7051, 19.6796

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.



9.6817, 25.5028, 19.4756



42.5111, 25.5028, 80.5239



18.0776, 25.5028, 1.4484

Square

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



42.5111, 25.5028, 80.5239



38.8632, 25.5028, 3.1709



12.1363, 25.5028, 5.2510



13.8395, 25.5028, 96.5283

Rectangle

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



42.5111, 25.5028, 80.5239



48.8257, 25.5028, 18.8874



12.1363, 25.5028, 5.2510



9.7069, 25.5028, 39.0704

Sweetspot

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



42.5121, 25.5039, 80.5245



77.5531, 70.8563, 104.1969



26.0343, 22.1901, 80.7533



16.1083, 14.3659, 22.1738



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.



42.5121, 25.5039, 80.5245



47.1832, 25.1569, 96.9767



47.3929, 28.5933, 54.8497



15.3601, 15.1309, 19.0332



19.1350, 8.9004, 44.4524



1.5843, 0.7410, 3.4944

Inverse Universe

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



41.0176, 26.0432, 21.2782



45.9793, 26.3010, 17.1903



37.4178, 62.5199, 30.4038



15.2059, 15.1102, 16.3694



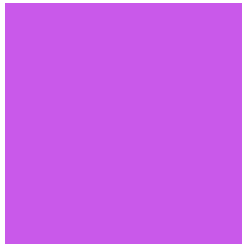
19.4716, 9.9913, 3.0187



1.5648, 0.7989, 0.4256

Previews

White Background



This preview shows how the XYZ color 42.5111, 25.5028, 80.5239 looks on a white background.

Color Contrast Check

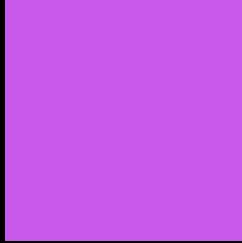
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.5111, 25.5028, 80.5239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

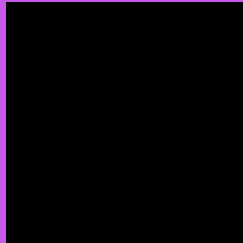
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.5111, 25.5028, 80.5239

Background



This preview shows how black text looks on a background with the XYZ color 42.5111, 25.5028, 80.5239.



This preview shows how white text looks on a background with the XYZ color 42.5111, 25.5028,

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

42.5111, 25.5028, 80.5239

Protanopia

29.6945, 26.0844, 98.0775

Deuteranopia

26.6610, 25.8799, 74.8243



Tritanopia

30.9286, 25.4570, 24.0525

Trichromacy



Original Color

42.5111, 25.5028, 80.5239



Protanomaly

31.1521, 23.7372, 90.9355



Deuteranomaly

29.7431, 23.8654, 76.4376



Tritanomaly

33.9295, 24.8037, 39.5585

Monochromacy



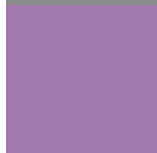
Original Color

42.5111, 25.5028, 80.5239



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

29.3776, 24.4121, 43.2080

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5111, 25.5028, 80.5239 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(201, 89, 234)` looks like.

```
.text, #text, p{  
    color:rgb(201, 89, 234)  
}
```

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(201, 89, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 89, 234) }
```

Border

The CSS property to change the border of an element to XYZ 42.5111, 25.5028, 80.5239 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(201, 89, 234) }
```


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

```
.border{ border-color:rgb(201, 89, 234) }
```

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

Here you see how a box with a 4 pixel rgb(201, 89, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 89, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 89, 234);  
box-shadow:4px 4px 4px 4px rgb(201, 89,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5111, 25.5028, 80.5239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 89, 234) }
```

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

```
.background{ background-color: rgb(201, 89,  
234) }
```

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