

Converting Colors

XYZ(42.4132, 23.4631, 82.4192)

Have a look what the booklet for
XYZ(42.4132, 23.4631, 82.4192)
contains.

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Color

**XYZ(42.4411, 23.4583,
82.4118)**

Conversions

Conversions Part 1

Format	Color
Hex	CC47ED
RGB	204, 71, 237
RGB Percent	80%, 28%, 93%
CMY	0.2000, 0.7215, 0.0706
CMYK	0.14, 0.70, 0.00, 0.07
HSL	288°, 82%, 60%
HSV	288°, 70%, 93%
XYZ	42.4411, 23.4583, 82.4118
YIQ	129.6910, 25.9820, 79.8220

Conversions

Conversions Part 2

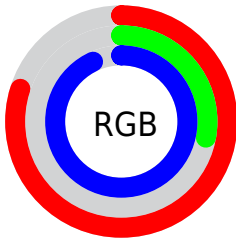
Format	Color
RYB	204, 71, 237
Decimal	13387757
CIELab	55.54, 73.80, -58.92
CIELCh	56, 94.434, 321.397
Yxy	23.4583, 0.2862, 0.1582
Android (android.graphics.Color)	4291577837 (0xFFCC47ED)
YUV	129.6910, 52.9033, 65.1690
Hunter-Lab	48.4338, 71.6553, -66.9804

Details

The XYZ color **42.4411, 23.4583, 82.4118** 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 **37.1312, 63.9670, 16.3520**, and the grayscale version is **20.9234, 22.0130, 23.9722**.

A 20% lighter version of the original color is **67.2726, 44.4453, 99.6409**, and **19.9153, 9.3150, 43.9283** is the 20% darker color. If you saturate the color by 10%, you get **39.9453, 20.3539, 81.9445**, and if you desaturate by 10%, it is **45.5653, 27.7595, 83.0777**.

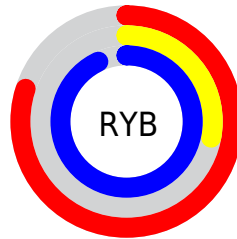
Distribution



Red (80%)

Green (28%)

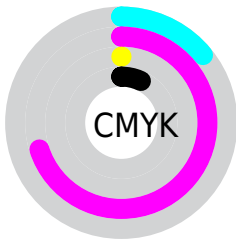
Blue (93%)



Red (80%)

Yellow (28%)

Blue (93%)

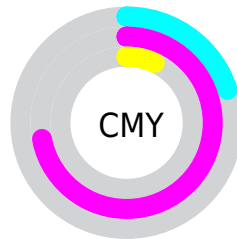


Cyan (14%)

Magenta (70%)

Yellow (0%)

Black (7%)



Cyan (20%)


Magenta (72%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4411, 23.4583, 82.4118 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 42.4411, 23.4583, 82.4118 by changing the saturation by 10% instead.


 42.4411, 23.4583,
82.4118


 42.4411, 23.4583,
82.4118


347.2688,
270.0703, 522.9437

 29.6395, 14.9323,
61.1672


 78.1278, 49.1448,
138.5932

 19.7118, 8.7719,
43.9287


 101.7435, 67.0740,
174.3671

 12.2928, 4.5927,
30.2777


 129.6946, 88.9064,
215.8212

 7.0170, 2.0103,
19.7956

 162.3465,
115.0264, 263.3741

 3.5192, 0.6135,
12.0640

 200.0645,
145.8184, 317.4442

 1.4339, 0.0000,
6.6642

243.2140,

 0.2802, 0.0000,

181.6668, 378.4501

3.1777

292.1603,
222.9560, 446.8105

■ 0.0000, 0.0000,
1.1861

■ 0.0000, 0.0000,
0.0000

■ 42.4411, 23.4583,
82.4118

■ 42.4411, 23.4583,
82.4118

■ 39.9453, 20.3539,
81.9445

■ 45.5653, 27.7595,
83.0777


■ 38.0018, 18.2977,
81.6501


■ 49.3764, 33.3768,
83.9611


■ 36.4930, 17.0470,
81.4882


■ 53.9290, 40.4183,
85.0803


■ 59.2715, 48.9801,
86.4513

 65.4479, 59.1496,
88.0887

 72.4987, 71.0077,
90.0059

 80.4620, 84.6297,
92.2155

 87.5588, 96.4574,
94.1245

 89.1942, 97.3005,
94.2010

Harmonies

Analogous

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



30.6356, 23.4583, 128.3502



42.4411, 23.4583, 82.4118



49.3015, 23.4583, 35.3610

Triad

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



42.4411, 23.4583, 82.4118



25.5031, 23.4583, 0.1671



8.1455, 23.4583, 53.4791

Complementary

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



42.4411, 23.4583, 82.4118



37.1312, 63.9670, 16.3520

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.



7.5565, 23.4583, 17.7332



42.4411, 23.4583, 82.4118



15.6271, 23.4583, 0.5478

Square

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



42.4411, 23.4583, 82.4118



37.6743, 23.4583, 1.6556



9.8138, 23.4583, 3.6399



11.8024, 23.4583, 104.2879

Rectangle

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



42.4411, 23.4583, 82.4118



49.0078, 23.4583, 15.6149



9.8138, 23.4583, 3.6399



7.6411, 23.4583, 38.9768

Sweetspot

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



42.4421, 23.4593, 82.4123



76.4731, 68.5000, 103.7990



22.8560, 17.3961, 82.2743



15.9203, 13.9196, 22.0976



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.



42.4421, 23.4593, 82.4123



46.1082, 22.8514, 96.5883



46.1701, 26.1083, 49.7332



15.4044, 15.1538, 19.0353



20.0330, 9.3633, 44.4944



1.6476, 0.7737, 3.4974

Inverse Universe

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



39.6777, 23.5114, 15.5447



43.6021, 23.4625, 10.4917



36.3225, 63.2842, 28.3269



15.1879, 15.1030, 16.2747



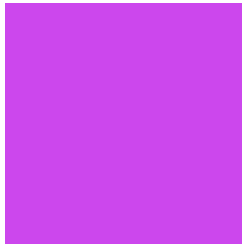
19.3861, 9.9571, 2.5685



1.5557, 0.7952, 0.3774

Previews

White Background



This preview shows how the XYZ color 42.4411, 23.4583, 82.4118 looks on a white background.

Color Contrast Check

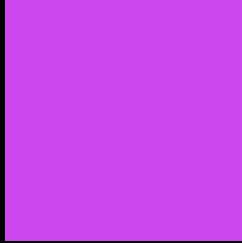
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.4411, 23.4583, 82.4118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

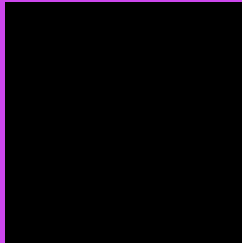
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.4411, 23.4583, 82.4118

Background



This preview shows how black text looks on a background with the XYZ color 42.4411, 23.4583, 82.4118.



This preview shows how white text looks on a background with the XYZ color 42.4411, 23.4583,

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

42.4411, 23.4583, 82.4118

Protanopia

27.7637, 23.8812, 97.7540

Deuteranopia

24.4993, 23.6994, 75.2347



Tritanopia

29.7533, 23.3922, 20.3997

Trichromacy



Original Color

42.4411, 23.4583, 82.4118



Protanomaly

28.9879, 20.9472, 91.3223



Deuteranomaly

27.1698, 20.7951, 77.4448



Tritanomaly

32.9526, 22.4437, 36.7777

Monochromacy



Original Color

42.4411, 23.4583, 82.4118



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

26.5347, 20.9699, 40.1852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4411, 23.4583, 82.4118 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, 71, 237)` looks like.

```
.text, #text, p{  
    color:rgb(204, 71, 237)  
}
```

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, 71, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 71, 237) }
```

Border

The CSS property to change the border of an element to XYZ 42.4411, 23.4583, 82.4118 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, 71, 237) }
```


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

```
.border{ border-color:rgb(204, 71, 237) }
```

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

Here you see how a box with a 4 pixel rgb(204, 71, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 71, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 71, 237);  
box-shadow:4px 4px 4px 4px rgb(204, 71,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4411, 23.4583, 82.4118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 71, 237) }
```

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

```
.background{ background-color: rgb(204, 71,  
237) }
```

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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