

Converting Colors

XYZ(41.9504, 25.3507, 77.1780)

Have a look what the booklet for
XYZ(41.9504, 25.3507, 77.1780)
contains.

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Color

**XYZ(42.0265, 25.4430,
77.5589)**

Conversions

Conversions Part 1

Format	Color
Hex	C95AE6
RGB	201, 90, 230
RGB Percent	79%, 35%, 90%
CMY	0.2118, 0.6470, 0.0980
CMYK	0.13, 0.61, 0.00, 0.10
HSL	288°, 74%, 63%
HSV	288°, 61%, 90%
XYZ	42.0265, 25.4430, 77.5589
YIQ	139.1490, 21.2160, 67.0720

Conversions

Conversions Part 2

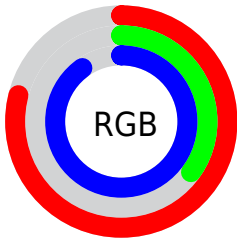
Format	Color
R _{YB}	201, 90, 230
Decimal	13196006
CIE Lab	57.50, 64.09, -51.88
CIE LCh	58, 82.458, 321.007
Yxy	25.4430, 0.2898, 0.1754
Android (android.graphics.Color)	4291386086 (0xFFC95AE6)
YUV	139.1490, 44.7895, 54.2433
Hunter-Lab	50.4411, 60.4509, -55.8564

Details

The XYZ color **42.0265, 25.4430, 77.5589** 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 **37.7508, 61.2544, 19.5074**, and the grayscale version is **24.4262, 25.6983, 27.9854**.

A 20% lighter version of the original color is **69.5689, 49.0378, 100.4063**, and **19.4070, 9.7744, 40.9082** is the 20% darker color. If you saturate the color by 10%, you get **39.1173, 21.4957, 76.9507**, and if you desaturate by 10%, it is **45.5774, 30.6128, 78.3700**.

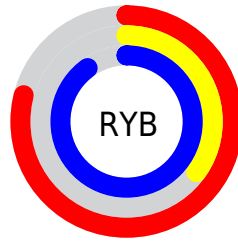
Distribution



Red (79%)

Green (35%)

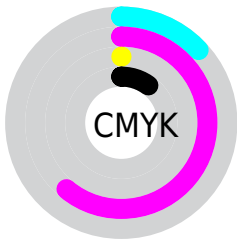
Blue (90%)



Red (79%)

Yellow (35%)

Blue (90%)

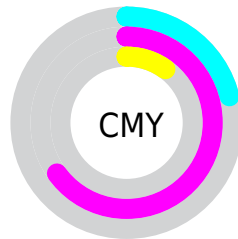


Cyan (13%)

Magenta (61%)

Yellow (0%)

Black (10%)



Cyan (21%)


Magenta (65%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.0265, 25.4430, 77.5589 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 42.0265, 25.4430, 77.5589 by changing the saturation by 10% instead.


 42.0265, 25.4430,
77.5589


 42.0265, 25.4430,
77.5589


345.5825,
280.0370, 506.1557


 29.3132, 16.4074,
57.1974

 77.5046, 52.3750,
131.7083


 19.4634, 9.8129,
40.7533

 101.0002, 71.0402,
166.3333

 12.1116, 5.2751,
27.8081


 128.8207, 93.6840,
206.5499

 6.8924, 2.4096,
17.9433

 161.3313,
120.6909, 252.7767

 3.4407, 0.8308,
10.7403

198.8974,
152.4453, 305.4321

 1.3908, 0.0000,
5.7805

241.8844,

 0.2497, 0.0000,

189.3315, 364.9347

2.6455

290.6577,
231.7339, 431.7030

■ 0.0000, 0.0000,
0.9158

■ 0.0000, 0.0000,
0.0000

■ 42.0265, 25.4430,
77.5589

■ 42.0265, 25.4430,
77.5589

■ 39.1173, 21.4957,
76.9507

■ 45.5774, 30.6128,
78.3700

■ 36.7891, 18.6528,
76.5247


■ 49.8174, 37.1024,
79.3992


■ 34.9738, 16.7779,
76.2585


■ 54.7929, 45.0028,
80.6619


■ 33.6593, 15.7020,
76.1201


■ 60.5449, 54.3958,
82.1717

 67.1116, 65.3572,
83.9414

 74.5285, 77.9574,
85.9826

 82.8288, 92.2625,
88.3063

 85.6786, 95.6040,
88.8010

 87.3095, 96.4448,
88.8774

Harmonies

Analogous

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



31.6027, 25.4430, 115.0538



42.0265, 25.4430, 77.5589



48.0368, 25.4430, 37.0442

Triad

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



42.0265, 25.4430, 77.5589



27.2558, 25.4430, 1.2642



10.4921, 25.4430, 51.9613

Complementary

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



42.0265, 25.4430, 77.5589



37.7508, 61.2544, 19.5074

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.



9.9167, 25.4430, 20.0812



42.0265, 25.4430, 77.5589



18.0260, 25.4430, 1.6764

Square

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



42.0265, 25.4430, 77.5589



38.1151, 25.4430, 3.3458



12.2761, 25.4430, 5.7070



14.1416, 25.4430, 94.5677

Rectangle

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



42.0265, 25.4430, 77.5589



47.8549, 25.4430, 18.6079



12.2761, 25.4430, 5.7070



9.9805, 25.4430, 39.3636

Sweetspot

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



42.0275, 25.4441, 77.5595



78.7032, 72.3712, 104.4287



25.2569, 21.4012, 77.6630



16.3502, 14.6695, 22.2197



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.



42.0275, 25.4441, 77.5595



48.6184, 26.1241, 97.0877



45.6208, 27.8685, 51.8821



14.6875, 14.4566, 18.1606



19.1604, 8.9434, 43.0996



1.4897, 0.6989, 3.1884

Inverse Universe

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



39.6198, 25.4681, 20.2813



46.0343, 26.5680, 16.7248



36.5210, 60.3707, 30.7310



14.4985, 14.4166, 15.5595



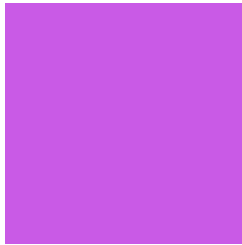
18.8086, 9.6576, 2.6209



1.4232, 0.7270, 0.3688

Previews

White Background



This preview shows how the XYZ color 42.0265, 25.4430, 77.5589 looks on a white background.

Color Contrast Check

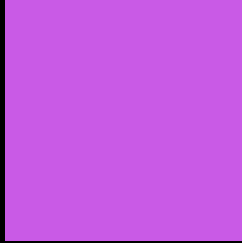
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.0265, 25.4430, 77.5589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

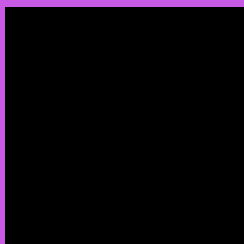
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.0265, 25.4430, 77.5589

Background



This preview shows how black text looks on a background with the XYZ color 42.0265, 25.4430, 77.5589.

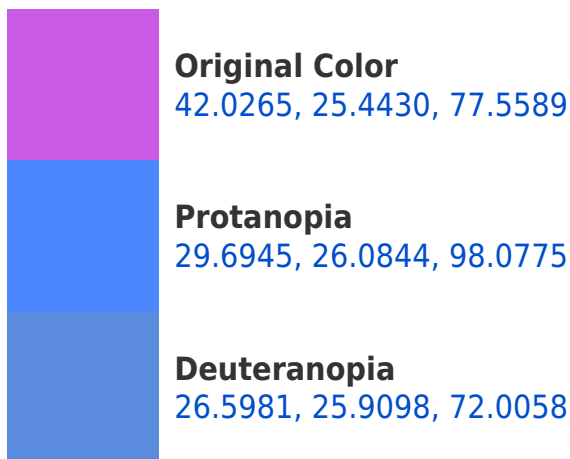


This preview shows how white text looks on a background with the XYZ color 42.0265, 25.4430,

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





Tritanopia

30.9866, 25.3170, 23.6756

Trichromacy



Original Color

42.0265, 25.4430, 77.5589



Protanomaly

31.1165, 23.9124, 90.1643



Deuteranomaly

29.6520, 23.8819, 73.5678



Tritanomaly

33.8923, 24.6482, 38.5686

Monochromacy



Original Color

42.0265, 25.4430, 77.5589



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

29.1841, 24.3347, 42.1886

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0265, 25.4430, 77.5589 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, 90, 230)` looks like.

```
.text, #text, p{  
    color:rgb(201, 90, 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(201, 90, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 90, 230) }
```

Border

The CSS property to change the border of an element to XYZ 42.0265, 25.4430, 77.5589 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, 90, 230) }
```


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

```
.border{ border-color:rgb(201, 90, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 90, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 90, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 90, 230);  
box-shadow:4px 4px 4px 4px rgb(201, 90,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0265, 25.4430, 77.5589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 90, 230) }
```

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

```
.background{ background-color: rgb(201, 90,  
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](#).

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