

Converting Colors

XYZ(41.7844, 22.4718, 85.6679)

Have a look what the booklet for
XYZ(41.7844, 22.4718, 85.6679)
contains.

XYZ(41.8549, 22.5490, 85.3655)	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(41.8549, 22.5490,
85.3655)**

Conversions

Conversions Part 1

Format	Color
Hex	C941F1
RGB	201, 65, 241
RGB Percent	79%, 25%, 95%
CMY	0.2118, 0.7451, 0.0549
CMYK	0.17, 0.73, 0.00, 0.05
HSL	286°, 86%, 60%
HSV	286°, 73%, 95%
XYZ	41.8549, 22.5490, 85.3655
YIQ	125.7280, 24.5600, 83.5680

Conversions

Conversions Part 2

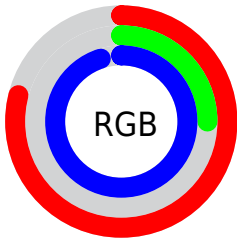
Format	Color
R _{YB}	201, 65, 241
Decimal	13189617
CIE Lab	54.60, 76.07, -62.69
CIE LCh	55, 98.569, 320.509
Yxy	22.5490, 0.2795, 0.1506
Android (android.graphics.Color)	4291379697 (0xFFC941F1)
YUV	125.7280, 56.8291, 66.0135
Hunter-Lab	47.4858, 74.2333, -73.3460

Details

The XYZ color **41.8549, 22.5490, 85.3655** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **38.2358, 66.2960, 15.7830**, and the grayscale version is **19.5479, 20.5659, 22.3963**.

A 20% lighter version of the original color is **66.6236, 43.1472, 99.4245**, and **19.8071, 9.2115, 46.0814** is the 20% darker color. If you saturate the color by 10%, you get **39.3086, 19.6024, 84.9313**, and if you desaturate by 10%, it is **45.0453, 26.7037, 85.9997**.

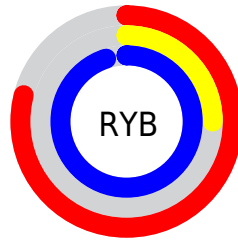
Distribution



Red (79%)

Green (25%)

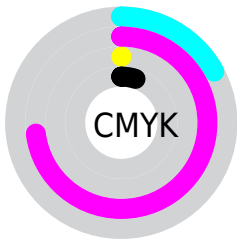
Blue (95%)



Red (79%)

Yellow (25%)

Blue (95%)

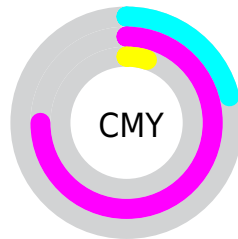


Cyan (17%)

Magenta (73%)

Yellow (0%)

Black (5%)



Cyan (21%)


Magenta (75%)


Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8549, 22.5490, 85.3655 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 41.8549, 22.5490, 85.3655 by changing the saturation by 10% instead.


 41.8549, 22.5490,
85.3655

 41.8549, 22.5490,
85.3655

344.8830,
265.4000, 533.0128


 29.1783, 14.2609,
63.5915


 77.2465, 47.6517,
142.7624


 19.3607, 8.3023,
45.8759


 100.6922, 65.2351,
179.2225


 12.0368, 4.2890,
31.7999


 128.4584, 86.6856,
221.4149

 6.8411, 1.8365,
20.9452

 160.9103,
112.3877, 269.7584

 3.4084, 0.5098,
12.8931

 198.4134,
142.7259, 324.6714

 1.3732, 0.0000,
7.2251

241.3330,

 0.2370, 0.0000,

178.0844, 386.5724

3.5227

290.0344,
218.8476, 455.8800

■ 0.0000, 0.0000,
1.3673

■ 0.0000, 0.0000,
0.1160

■ 41.8549, 22.5490,
85.3655

■ 41.8549, 22.5490,
85.3655

■ 39.3086, 19.6024,
84.9313

■ 45.0453, 26.7037,
85.9997

■ 37.3219, 17.6991,
84.6687

■ 48.9442, 32.1976,
86.8546

■ 36.1826, 16.8187,
84.5588

■ 53.6108, 39.1474,
87.9501

■ 59.0971, 47.6564,
89.3033

65.4503, 57.8182,
90.9299

72.7140, 69.7191,
92.8442

80.9286, 83.4393,
95.0595

89.2306, 97.2510,
97.2878

91.1681, 98.2498,
97.3785

Harmonies

Analogous

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



29.5874, 22.5490, 133.4876



41.8549, 22.5490, 85.3655



49.2323, 22.5490, 35.7581

Triad

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



41.8549, 22.5490, 85.3655



25.0527, 22.5490, 0.0000



7.2459, 22.5490, 51.9357

Complementary

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



41.8549, 22.5490, 85.3655



38.2358, 66.2960, 15.7830

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.



6.7552, 22.5490, 15.9722



41.8549, 22.5490, 85.3655



14.9327, 22.5490, 0.1275

Square

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



41.8549, 22.5490, 85.3655



37.5912, 22.5490, 1.2960



9.0434, 22.5490, 2.8019



10.7290, 22.5490, 105.3301

Rectangle

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



41.8549, 22.5490, 85.3655



49.1205, 22.5490, 15.2016



9.0434, 22.5490, 2.8019



6.7850, 22.5490, 37.1154

Sweetspot

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



41.8559, 22.5499, 85.3660



75.1543, 66.9424, 103.5679



23.2189, 17.7975, 85.4310



15.6384, 13.6038, 22.0515



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.



41.8559, 22.5499, 85.3660



43.4318, 21.0167, 96.3753



47.9117, 26.3801, 53.6459



16.0825, 15.8398, 19.9313



19.7435, 9.1836, 45.8599



1.7273, 0.8077, 3.8191

Inverse Universe

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



40.7163, 23.5020, 15.7558



43.2274, 22.8223, 10.0297



36.5569, 65.2033, 25.9696



15.9199, 15.8177, 17.1345



20.0845, 10.3062, 3.0956



1.7075, 0.8721, 0.4507

Previews

White Background



This preview shows how the XYZ color 41.8549, 22.5490, 85.3655 looks on a white background.

Color Contrast Check

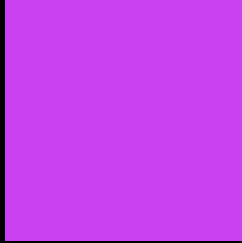
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.8549, 22.5490, 85.3655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

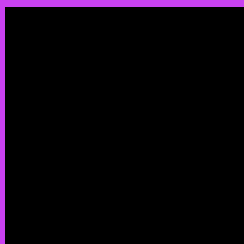
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 41.8549, 22.5490, 85.3655

Background



This preview shows how black text looks on a background with the XYZ color 41.8549, 22.5490, 85.3655.



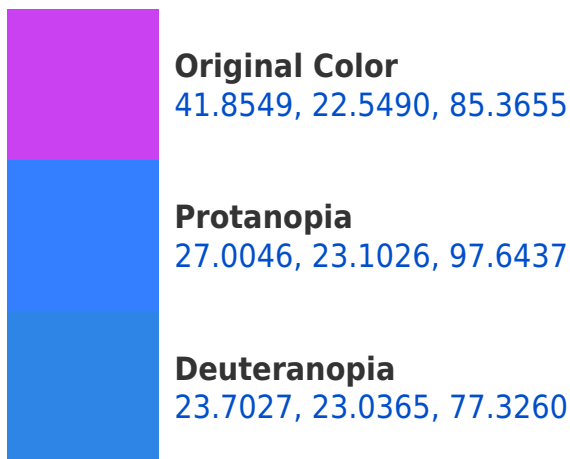
This preview shows how white text looks on a background with the XYZ color 41.8549, 22.5490,

85.3655.

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

28.2080, 22.2889, 19.6451

Trichromacy



Original Color

41.8549, 22.5490, 85.3655



Protanomaly

28.1495, 19.8669, 92.7935



Deuteranomaly

25.6641, 19.4919, 79.5005



Tritanomaly

31.6711, 21.3845, 36.6408

Monochromacy



Original Color

41.8549, 22.5490, 85.3655



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

25.1551, 19.5001, 39.4839

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8549, 22.5490, 85.3655 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, 65, 241)` looks like.

```
.text, #text, p{  
    color:rgb(201, 65, 241)  
}
```

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, 65, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 65, 241) }
```

Border

The CSS property to change the border of an element to XYZ 41.8549, 22.5490, 85.3655 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, 65, 241) }
```


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

```
.border{ border-color:rgb(201, 65, 241) }
```

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

Here you see how a box with a 4 pixel rgb(201, 65, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 65, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 65, 241);  
box-shadow:4px 4px 4px 4px rgb(201, 65,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8549, 22.5490, 85.3655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 65, 241) }
```

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

```
.background{ background-color: rgb(201, 65,  
241) }
```

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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