

Converting Colors

XYZ(42.0361, 26.3186, 89.5751)

Have a look what the booklet for
XYZ(42.0361, 26.3186, 89.5751)
contains.

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Color

**XYZ(41.9295, 26.3351,
89.2594)**

Conversions

Conversions Part 1

Format	Color
Hex	BD63F5
RGB	189, 99, 245
RGB Percent	74%, 39%, 96%
CMY	0.2588, 0.6118, 0.0392
CMYK	0.23, 0.60, 0.00, 0.04
HSL	277°, 88%, 67%
HSV	277°, 60%, 96%
XYZ	41.9295, 26.3351, 89.2594
YIQ	142.5540, 6.7740, 64.4860

Conversions

Conversions Part 2

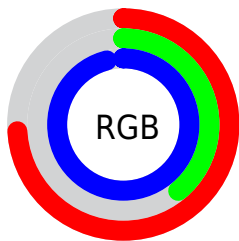
Format	Color
R _{YB}	189, 99, 245
Decimal	12411893
CIE _{Lab}	58.35, 60.13, -58.98
CIE _{LCh}	58, 84.234, 315.553
Yxy	26.3351, 0.2662, 0.1672
Android (android.graphics.Color)	4290601973 (0xFFBD63F5)
YUV	142.5540, 50.5059, 40.7331
Hunter-Lab	51.3177, 56.0386, -67.2035

Details

The XYZ color **41.9295, 26.3351, 89.2594** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **48.4227, 73.1748, 23.3773**, and the grayscale version is **25.7357, 27.0760, 29.4858**.

A 20% lighter version of the original color is **68.3170, 50.2877, 100.7135**, and **19.4935, 10.3377, 48.5449** is the 20% darker color. If you saturate the color by 10%, you get **37.6947, 21.2137, 88.4945**, and if you desaturate by 10%, it is **47.0213, 32.9440, 90.2671**.

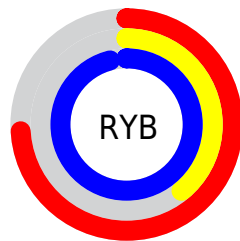
Distribution



Red (74%)

Green (39%)

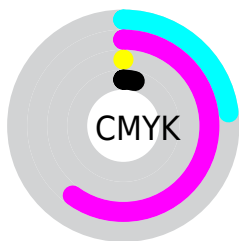
Blue (96%)



Red (74%)

Yellow (39%)

Blue (96%)

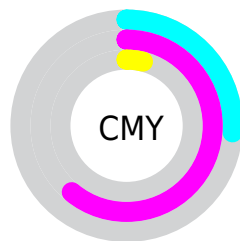


Cyan (23%)

Magenta (60%)

Yellow (0%)

Black (4%)



Cyan (26%)


Magenta (61%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.9295, 26.3351, 89.2594 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 41.9295, 26.3351, 89.2594 by changing the saturation by 10% instead.


 41.9295, 26.3351,
89.2594


 41.9295, 26.3351,
89.2594


345.1872,
284.4232, 546.1266


 29.2370, 17.0745,
66.7963


 77.3587, 53.8151,
148.2358


 19.4053, 10.2876,
48.4586


 100.8262, 72.8032,
185.5861

 12.0693, 5.5901,
33.8276


 128.6159, 95.8026,
228.7359

 6.8634, 2.5975,
22.4849

 161.0934,
123.1978, 278.1038

 3.4224, 0.9254,
14.0119

198.6239,
155.3730, 334.1083

 1.3809, 0.0000,
7.9901

241.5728,

 0.2425, 0.0000,

192.7127, 397.1679

4.0009

290.3054,
235.6013, 467.7011

■ 0.0000, 0.0000,
1.6259

■ 0.0000, 0.0000,
0.3092

■ 41.9295, 26.3351,
89.2594

■ 41.9295, 26.3351,
89.2594

■ 37.6947, 21.2137,
88.4945

■ 47.0213, 32.9440,
90.2671

■ 34.2449, 17.4434,
87.9486

■ 53.0273, 41.1541,
91.5353

■ 31.4999, 14.8671,
87.5960

■ 60.0031, 51.0713,
93.0818

■ 29.3319, 13.2334,
87.3949

■ 67.9984, 62.7913,
94.9227

■ 29.2494, 13.1747,
87.3880

■ 77.0594, 76.4029,
97.0724

■ 87.2293, 91.9884,
99.5447

■ 93.4015, 99.3314,
100.6367

■ 93.4815, 99.3726,
100.6404

Harmonies

Analogous

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



30.7043, 26.3351, 124.8709



41.9295, 26.3351, 89.2594



49.4200, 26.3351, 45.2141

Triad

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



41.9295, 26.3351, 89.2594



30.2845, 26.3351, 1.3796



10.4251, 26.3351, 46.6570

Complementary

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



41.9295, 26.3351, 89.2594



48.4227, 73.1748, 23.3773

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.



10.3702, 26.3351, 16.7581



41.9295, 26.3351, 89.2594



20.1030, 26.3351, 1.4173

Square

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



41.9295, 26.3351, 89.2594



41.5507, 26.3351, 4.2912



13.4193, 26.3351, 4.5124



13.5979, 26.3351, 90.9144

Rectangle

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



41.9295, 26.3351, 89.2594



50.2612, 26.3351, 23.5453



13.4193, 26.3351, 4.5124



10.0776, 26.3351, 34.4992

Sweetspot

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



41.9306, 26.3361, 89.2600



75.9320, 70.9426, 104.2990



33.7527, 33.4958, 91.0730



15.6694, 14.3186, 22.1878



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.



41.9306, 26.3361, 89.2600



40.2350, 22.0395, 96.7412



56.4579, 34.0727, 78.7594



16.5622, 16.4324, 20.8414



15.9164, 7.1795, 47.0849



1.5133, 0.6900, 4.1437

Inverse Universe

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



48.0351, 30.7036, 34.4057



48.3878, 27.7651, 28.3296



40.8133, 69.1639, 27.0004



16.7622, 16.5877, 18.4941



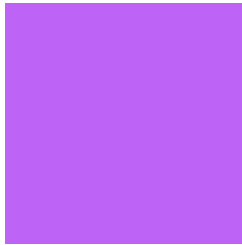
21.4363, 10.9180, 7.0061



1.9326, 0.9790, 0.8715

Previews

White Background



This preview shows how the XYZ color 41.9295, 26.3351, 89.2594 looks on a white background.

Color Contrast Check

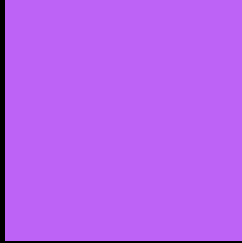
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.9295, 26.3351, 89.2594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

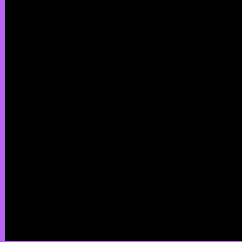
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 41.9295, 26.3351, 89.2594

Background



This preview shows how black text looks on a background with the XYZ color 41.9295, 26.3351, 89.2594.



This preview shows how white text looks on a background with the XYZ color 41.9295, 26.3351,

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

41.9295, 26.3351, 89.2594

Protanopia

30.3890, 26.8607, 98.1907

Deuteranopia

27.7067, 26.8769, 83.8482



Tritanopia

29.5237, 26.3352, 27.9532

Trichromacy



Original Color

41.9295, 26.3351, 89.2594



Protanomaly

32.2413, 25.1240, 94.4169



Deuteranomaly

30.2593, 24.8578, 85.6413



Tritanomaly

32.8744, 25.6362, 45.3351

Monochromacy



Original Color

41.9295, 26.3351, 89.2594



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

30.3248, 25.9476, 46.5901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9295, 26.3351, 89.2594 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(189, 99, 245)` looks like.

```
.text, #text, p{  
    color:rgb(189, 99, 245)  
}
```

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(189, 99, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 99, 245) }
```

Border

The CSS property to change the border of an element to XYZ 41.9295, 26.3351, 89.2594 is called "border". The border property can be set on classes, ids or directly on the HTML element.

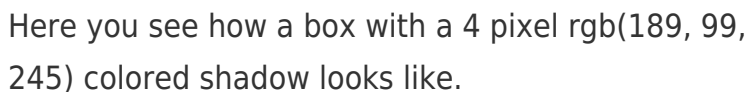
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 99, 245) }
```


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

```
.border{ border-color:rgb(189, 99, 245) }
```

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



Here you see how a box with a 4 pixel `rgb(189, 99, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 99, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 99, 245);  
box-shadow:4px 4px 4px 4px rgb(189, 99,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9295, 26.3351, 89.2594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 99, 245) }
```

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

```
.background{ background-color: rgb(189, 99,  
245) }
```

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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