

Converting Colors

XYZ(40.5834, 22.9039, 91.0888)

Have a look what the booklet for
XYZ(40.5834, 22.9039, 91.0888)
contains.

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Color

**XYZ(40.5834, 22.9039,
91.0888)**

Conversions

Conversions Part 1

Format	Color
Hex	BD4DF8
RGB	189, 77, 248
RGB Percent	74%, 30%, 97%
CMY	0.2588, 0.6980, 0.0274
CMYK	0.24, 0.69, 0.00, 0.03
HSL	279°, 92%, 64%
HSV	279°, 69%, 97%
XYZ	40.5834, 22.9039, 91.0888
YIQ	129.9820, 11.8610, 76.9250

Conversions

Conversions Part 2

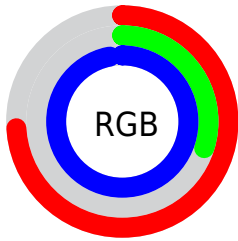
Format	Color
RYB	189, 77, 248
Decimal	12406264
CIELab	54.97, 70.59, -66.08
CIELCh	55, 96.694, 316.888
Yxy	22.9039, 0.2625, 0.1482
Android (android.graphics.Color)	4290596344 (0xFFBD4DF8)
YUV	129.9820, 58.1829, 51.7588
Hunter-Lab	47.8580, 67.6157, -79.3468

Details

The XYZ color **40.5834, 22.9039, 91.0888** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light washed purple. A complement of this color would be **45.0608, 72.9053, 18.7190**, and the grayscale version is **21.0109, 22.1051, 24.0724**.

A 20% lighter version of the original color is **65.6420, 44.4099, 99.7200**, and **18.6099, 8.5074, 49.9515** is the 20% darker color. If you saturate the color by 10%, you get **37.1069, 19.0085, 90.5206**, and if you desaturate by 10%, it is **44.8482, 28.1875, 91.8843**.

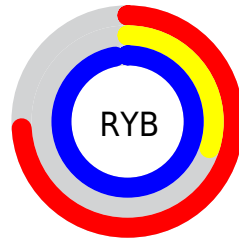
Distribution



Red (74%)

Green (30%)

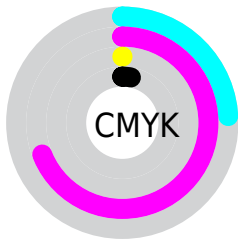
Blue (97%)



Red (74%)

Yellow (30%)

Blue (97%)

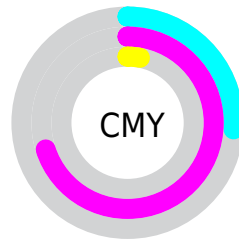


Cyan (24%)

Magenta (69%)

Yellow (0%)

Black (3%)



Cyan (26%)


Magenta (70%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.5834, 22.9039, 91.0888 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 40.5834, 22.9039, 91.0888 by changing the saturation by 10% instead.


 40.5834, 22.9039,
91.0888

 40.5834, 22.9039,
91.0888


339.6688,
267.2310, 552.2276

 28.1799, 14.5226,
68.3053


 75.3298, 48.2355,
150.7986


 18.6025, 8.4850,
49.6779


 98.4034, 65.9545,
188.5619


 11.4857, 4.4068,
34.7881

 125.7645, 87.5549,
232.1555

 6.4642, 1.9036,
23.2175

 157.7784,
113.4211, 281.9980

 3.1727, 0.5506,
14.5474

 194.8104,
143.9373, 338.5079

 1.2457, 0.0000,
8.3593

237.2259,

 0.1420, 0.0000,

179.4882, 402.1038

4.2346

285.3902,
220.4579, 473.2042

■ 0.0000, 0.0000,
1.7549

■ 0.0000, 0.0000,
0.3980

■ 40.5834, 22.9039,
91.0888

■ 40.5834, 22.9039,
91.0888

■ 37.1069, 19.0085,
90.5206

■ 44.8482, 28.1875,
91.8843

■ 34.3336, 16.3380,
90.1513

■ 49.9674, 34.9923,
92.9279

■ 32.1442, 14.6556,
89.9419

■ 56.0033, 43.4383,
94.2400

■ 31.9321, 14.5043,
89.9239

■ 63.0107, 53.6324,
95.8384

71.0400, 65.6724,
97.7391

80.1379, 79.6487,
99.9573

90.3478, 95.6456,
102.5069

93.9433, 99.5573,
103.0724

Harmonies

Analogous

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



28.3336, 22.9039, 135.0604



40.5834, 22.9039, 91.0888



48.6976, 22.9039, 40.8977

Triad

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



40.5834, 22.9039, 91.0888



26.7962, 22.9039, 0.0425



7.3889, 22.9039, 46.3563

Complementary

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



40.5834, 22.9039, 91.0888



45.0608, 72.9053, 18.7190

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.



7.2190, 22.9039, 13.7875



40.5834, 22.9039, 91.0888



16.3066, 22.9039, 0.1578

Square

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



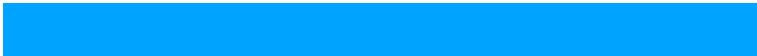
40.5834, 22.9039, 91.0888



39.1440, 22.9039, 1.8895



9.9098, 22.9039, 2.4268



10.4899, 22.9039, 97.7786

Rectangle

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



40.5834, 22.9039, 91.0888



49.3664, 22.9039, 18.4992



9.9098, 22.9039, 2.4268



7.0341, 22.9039, 32.7214

Sweetspot

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



40.5844, 22.9048, 91.0893



73.8081, 67.1261, 103.6743



28.9289, 26.2047, 92.3406



15.2816, 13.5904, 22.0677



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.



40.5844, 22.9048, 91.0893



38.2124, 18.9155, 96.2448



54.5976, 30.5576, 72.3747



17.3776, 17.2073, 21.7907



17.4064, 7.9160, 48.5841



1.7261, 0.7919, 4.5051

Inverse Universe

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



45.8097, 27.0424, 26.0983



45.2908, 24.2830, 18.9372



39.0592, 69.6853, 24.1329



17.4918, 17.3241, 19.1796



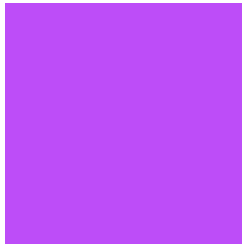
21.8691, 11.1634, 6.0192



2.0732, 1.0530, 0.8091

Previews

White Background



This preview shows how the XYZ color 40.5834, 22.9039, 91.0888 looks on a white background.

Color Contrast Check

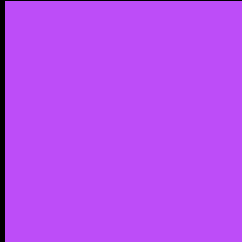
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.5834, 22.9039, 91.0888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

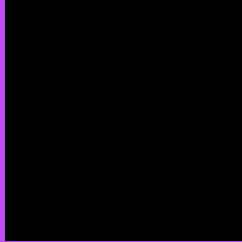
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.5834, 22.9039, 91.0888

Background



This preview shows how black text looks on a background with the XYZ color 40.5834, 22.9039, 91.0888.



This preview shows how white text looks on a background with the XYZ color 40.5834, 22.9039,

91.0888.

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

40.5834, 22.9039, 91.0888

Protanopia

27.2905, 23.4426, 97.6943

Deuteranopia

23.9923, 23.2580, 83.3455



Tritanopia

26.4894, 22.6640, 22.7171

Trichromacy



Original Color

40.5834, 22.9039, 91.0888



Protanomaly

28.6328, 20.8491, 94.6106



Deuteranomaly

24.9242, 19.7808, 85.7235



Tritanomaly

29.9116, 21.6351, 40.6297

Monochromacy



Original Color

40.5834, 22.9039, 91.0888



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

25.9898, 20.9653, 42.2121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5834, 22.9039, 91.0888 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, 77, 248)` looks like.

```
.text, #text, p{  
    color:rgb(189, 77, 248)  
}
```

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, 77, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 77, 248) }
```

Border

The CSS property to change the border of an element to XYZ 40.5834, 22.9039, 91.0888 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, 77, 248) }
```


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

```
.border{ border-color:rgb(189, 77, 248) }
```

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

Here you see how a box with a 4 pixel rgb(189, 77, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 77, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 77, 248);  
box-shadow:4px 4px 4px 4px rgb(189, 77,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5834, 22.9039, 91.0888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 77, 248) }
```

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

```
.background{ background-color: rgb(189, 77,  
248) }
```

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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