

Converting Colors

XYZ(38.6033, 21.5349, 79.7773)

Have a look what the booklet for
XYZ(38.6033, 21.5349, 79.7773)
contains.

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Color

**XYZ(38.5904, 21.5234,
79.9624)**

Conversions

Conversions Part 1

Format	Color
Hex	BF47EA
RGB	191, 71, 234
RGB Percent	75%, 28%, 92%
CMY	0.2510, 0.7216, 0.0824
CMYK	0.18, 0.70, 0.00, 0.08
HSL	284°, 80%, 60%
HSV	284°, 70%, 92%
XYZ	38.5904, 21.5234, 79.9624
YIQ	125.4620, 19.1970, 76.1330

Conversions

Conversions Part 2

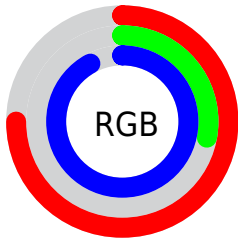
Format	Color
RYB	191, 71, 234
Decimal	12535786
CIELab	53.52, 70.60, -60.58
CIELCh	54, 93.028, 319.364
Yxy	21.5234, 0.2755, 0.1537
Android (android.graphics.Color)	4290725866 (0xFFBF47EA)
YUV	125.4620, 53.5092, 57.4768
Hunter-Lab	46.3933, 67.2897, -69.7155

Details

The XYZ color **38.5904, 21.5234, 79.9624** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **37.5002, 62.8785, 16.1223**, and the grayscale version is **19.4703, 20.4843, 22.3074**.

A 20% lighter version of the original color is **65.5528, 43.1676, 99.4849**, and **17.6087, 8.1609, 42.2421** is the 20% darker color. If you saturate the color by 10%, you get **35.8587, 18.3153, 79.4875**, and if you desaturate by 10%, it is **41.9620, 25.9121, 80.6322**.

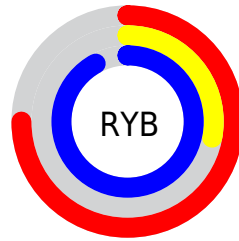
Distribution



Red (75%)

Green (28%)

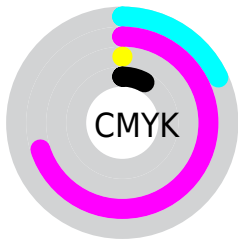
Blue (92%)



Red (75%)

Yellow (28%)

Blue (92%)

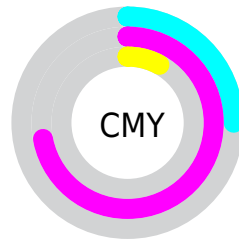


Cyan (18%)

Magenta (70%)

Yellow (0%)

Black (8%)



Cyan (25%)


Magenta (72%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5904, 21.5234, 79.9624 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 38.5904, 21.5234, 79.9624 by changing the saturation by 10% instead.


 38.5904, 21.5234,
79.9624


 38.5904, 21.5234,
79.9624


331.3831,
260.0471, 514.5095

 26.6205, 13.5071,
59.1614


 72.3103, 45.9570,
135.1238


 17.4235, 7.7787,
42.3222


 94.7909, 63.1431,
170.3213


 10.6341, 3.9537,
29.0262


 121.5059, 84.1547,
211.1547

 5.8868, 1.6477,
18.8549

 152.8206,
109.3760, 258.0426

 2.8164, 0.3894,
11.3897

 189.1003,
139.1915, 311.4035

 1.0574, 0.0000,
6.2122

230.7104,

 0.0000, 0.0000,

173.9856, 371.6559

2.9036

278.0162,
214.1427, 439.2184

■ 0.0000, 0.0000,
1.0456

■ 0.0000, 0.0000,
0.0000

■ 38.5904, 21.5234,
79.9624

■ 38.5904, 21.5234,
79.9624

■ 35.8587, 18.3153,
79.4875

■ 41.9620, 25.9121,
80.6322

■ 33.6934, 16.1451,
79.1828


■ 46.0303, 31.5969,
81.5150


■ 31.9797, 14.7835,
79.0103


■ 50.8486, 38.6821,
82.6287


■ 31.9243, 14.7420,
79.0052


■ 56.4639, 47.2608,
83.9885

 62.9190, 57.4176,
85.6088

 70.2538, 69.2309,
87.5024

 78.5054, 82.7739,
89.6816

 86.6776, 96.0534,
91.8140

 88.8136, 97.1545,
91.9140

Harmonies

Analogous

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



27.4476, 21.5234, 121.8143



38.5904, 21.5234, 79.9624



45.4786, 21.5234, 35.0185

Triad

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



38.5904, 21.5234, 79.9624



24.1794, 21.5234, 0.0589



7.2326, 21.5234, 46.5840

Complementary

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



38.5904, 21.5234, 79.9624



37.5002, 62.8785, 16.1223

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.



6.8638, 21.5234, 14.7377



38.5904, 21.5234, 79.9624



14.7678, 21.5234, 0.3151

Square

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



38.5904, 21.5234, 79.9624



35.5440, 21.5234, 1.6271



9.1373, 21.5234, 2.8343



10.3885, 21.5234, 94.0233

Rectangle

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



38.5904, 21.5234, 79.9624



45.6038, 21.5234, 15.6308



9.1373, 21.5234, 2.8343



6.8284, 21.5234, 33.4823

Sweetspot

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



38.5913, 21.5243, 79.9629



75.2742, 67.8819, 103.7429



23.5207, 19.4213, 80.3513



15.6325, 13.7713, 22.0841



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.



38.5913, 21.5243, 79.9629



42.2553, 20.8651, 96.4080



46.1455, 25.9836, 54.7887



15.3046, 15.1023, 19.0306



18.0642, 8.3484, 44.4023



1.5082, 0.7018, 3.4908

Inverse Universe

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



39.2228, 23.2145, 18.3339



44.1980, 23.7009, 13.6293



34.7841, 61.2906, 24.4754



15.2286, 15.1193, 16.4891



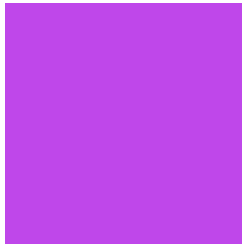
19.5964, 10.0412, 3.6758



1.5774, 0.8039, 0.4920

Previews

White Background



This preview shows how the XYZ color 38.5904, 21.5234, 79.9624 looks on a white background.

Color Contrast Check

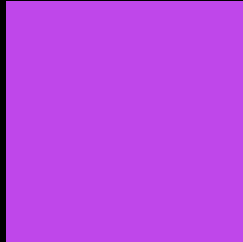
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.5904, 21.5234, 79.9624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

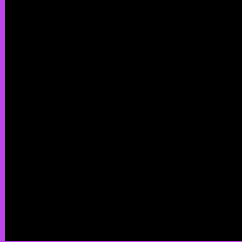
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.5904, 21.5234, 79.9624

Background



This preview shows how black text looks on a background with the XYZ color 38.5904, 21.5234, 79.9624.



This preview shows how white text looks on a background with the XYZ color 38.5904, 21.5234,

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

38.5904, 21.5234, 79.9624

Protanopia

26.0944, 22.0666, 97.4917

Deuteranopia

22.5685, 21.9459, 72.8585



Tritanopia

26.3015, 21.4585, 19.8952

Trichromacy



Original Color

38.5904, 21.5234, 79.9624



Protanomaly

26.4562, 19.1982, 90.3069



Deuteranomaly

24.7006, 19.2500, 75.0868



Tritanomaly

29.3504, 20.6071, 35.6883

Monochromacy



Original Color

38.5904, 21.5234, 79.9624



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

24.2375, 19.2093, 38.0276

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5904, 21.5234, 79.9624 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(191, 71, 234)` looks like.

```
.text, #text, p{  
    color:rgb(191, 71, 234)  
}
```

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(191, 71, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 71, 234) }
```

Border

The CSS property to change the border of an element to XYZ 38.5904, 21.5234, 79.9624 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(191, 71, 234) }
```


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

```
.border{ border-color:rgb(191, 71, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 71, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 71, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 71, 234);  
box-shadow:4px 4px 4px 4px rgb(191, 71,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5904, 21.5234, 79.9624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 71, 234) }
```

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

```
.background{ background-color: rgb(191, 71,  
234) }
```

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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