

Converting Colors

$Y_{xy}(38.9685, 0.2718, 0.2217)$

Have a look what the booklet for
Yxy(38.9685, 0.2718, 0.2217)
contains.

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Color

Yxy(38.9149, 0.2715, 0.2216)

Conversions

Conversions Part 1

Format	Color
Hex	BC96F2
RGB	188, 150, 242
RGB Percent	74%, 59%, 95%
CMY	0.2627, 0.4118, 0.0509
CMYK	0.22, 0.38, 0.00, 0.05
HSL	265°, 78%, 77%
HSV	265°, 38%, 95%
XYZ	47.6778, 38.9149, 89.0161
YIQ	171.8500, -6.8840, 36.6680

Conversions

Conversions Part 2

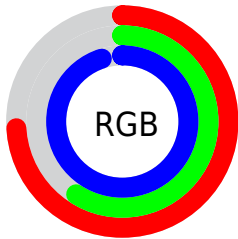
Format	Color
R _Y B	188, 150, 242
Decimal	12359410
CIE Lab	68.69, 32.24, -40.99
CIE LCh	69, 52.152, 308.182
Yxy	38.9149, 0.2715, 0.2216
Android (android.graphics.Color)	4290549490 (0xFFBC96F2)
YUV	171.8500, 34.5840, 14.1636
Hunter-Lab	62.3818, 27.2576, -40.9369

Details

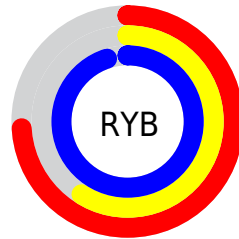
The Yxy color $38.9149, 0.2715, 0.2216$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $78.5525, 0.3426, 0.4329$, and the grayscale version is $41.0015, 0.3127, 0.3290$.

A 20% lighter version of the original color is $70.4755, 0.3085, 0.2791$, and $17.4130, 0.2591, 0.1971$ is the 20% darker color. If you saturate the color by 10%, you get $30.2584, 0.2574, 0.1905$, and if you desaturate by 10%, it is $49.3469, 0.2844, 0.2523$.

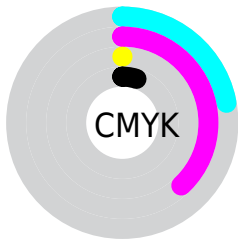
Distribution



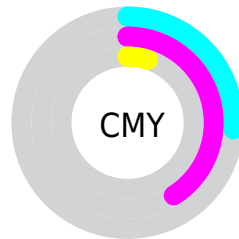
- Red (74%)
- Green (59%)
- Blue (95%)



- Red (74%)
- Yellow (59%)
- Blue (95%)



- Cyan (22%)
- Magenta (38%)
- Yellow (0%)
- Black (5%)




- Cyan (26%)
- Magenta (41%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.9149, 0.2715, 0.2216 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 Yxy color 38.9149, 0.2715, 0.2216 by changing the saturation by 10% instead.


 38.9149, 0.2715,
0.2216


 38.9149, 0.2715,
0.2216


341.5285, 0.2933,
0.2721

 26.6935, 0.2659,
0.2101


 73.5083, 0.2796,
0.2392

 17.3432, 0.2585,
0.1959

 96.6491, 0.2826,
0.2460

 10.4795, 0.2488,
0.1782


124.1985, 0.2851,
0.2519

 5.7180, 0.2352,
0.1556

156.5410, 0.2873,
0.2570

 2.6744, 0.2156,
0.1263

194.0608, 0.2891,
0.2615

 0.9642, 0.1854,
0.0882

237.1424, 0.2907,

 0.0000, 0.1405,

0.2655

0.0000

286.1702, 0.2921,
0.2690

■ 0.0000, 0.0000,
0.0000

■ 38.9149, 0.2715,
0.2216

■ 38.9149, 0.2715,
0.2216

■ 30.2584, 0.2574,
0.1905

■ 49.3469, 0.2844,
0.2523

■ 23.2686, 0.2424,
0.1604

■ 61.6451, 0.2958,
0.2816

■ 17.8319, 0.2271,
0.1329

■ 75.8993, 0.3058,
0.3088

■ 13.8178, 0.2123,
0.1098

■ 92.1922, 0.3143,
0.3337

■ 11.0729, 0.1988,
0.0924

■ 99.1919, 0.3203,
0.3415

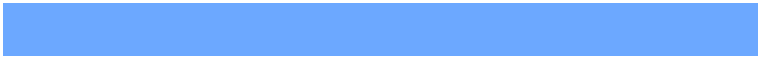
■ 9.3884, 0.1871,
0.0811

■ 9.1218, 0.1850,
0.0793

Harmonies

Analogous

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



38.9149, 0.2144, 0.2123



38.9149, 0.2715, 0.2216



38.9149, 0.3484, 0.2523

Triad

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



38.9149, 0.2715, 0.2216



38.9149, 0.4558, 0.4106



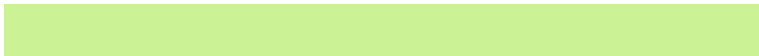
38.9149, 0.2100, 0.3490

Complementary

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



38.9149, 0.2715, 0.2216



78.5525, 0.3426, 0.4329

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.



38.9149, 0.2661, 0.4291



38.9149, 0.2715, 0.2216



38.9149, 0.4085, 0.4571

Square

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



38.9149, 0.2715, 0.2216



38.9149, 0.4633, 0.3542



38.9149, 0.3389, 0.4705



38.9149, 0.1824, 0.2743

Rectangle

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



38.9149, 0.2715, 0.2216



38.9149, 0.4002, 0.2821



38.9149, 0.3389, 0.4705



38.9149, 0.2258, 0.3772

Sweetspot

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



38.9165, 0.2715, 0.2216



80.4018, 0.3029, 0.3009



56.6574, 0.2531, 0.2841



16.7337, 0.3016, 0.2972



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.9165, 0.2715, 0.2216



35.7717, 0.2601, 0.1964



45.5150, 0.3092, 0.2327



15.5477, 0.3044, 0.3050



4.9751, 0.1867, 0.0802



0.4708, 0.2013, 0.0883

Inverse Universe

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



45.0501, 0.3515, 0.2710



43.8329, 0.3633, 0.2589



73.1075, 0.3128, 0.4432



15.9145, 0.3201, 0.3152



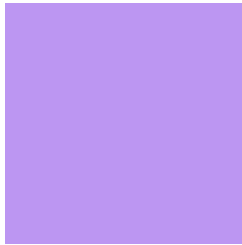
11.2180, 0.4594, 0.2304



0.9530, 0.4361, 0.2176

Previews

White Background



This preview shows how the Yxy color 38.9149, 0.2715, 0.2216 looks on a white background.

Color Contrast Check

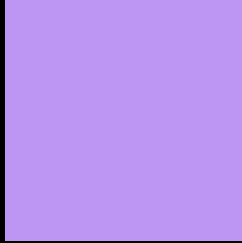
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 38.9149, 0.2715, 0.2216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

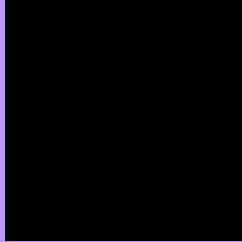
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.9149, 0.2715, 0.2216

Background



This preview shows how black text looks on a background with the Yxy color 38.9149, 0.2715, 0.2216.



This preview shows how white text looks on a background with the Yxy color 38.9149, 0.2715, 0.2216.

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

38.9149, 0.2715, 0.2216

Protanopia

39.3003, 0.2306, 0.2184

Deuteranopia

39.1672, 0.2415, 0.2353



Tritanopia

38.9554, 0.3126, 0.3113

Trichromacy



Original Color

38.9149, 0.2715, 0.2216

Protanomaly

39.0123, 0.2434, 0.2191

Deuteranomaly

38.7020, 0.2512, 0.2293

Tritanomaly

38.7166, 0.2962, 0.2746

Monochromacy



Original Color

38.9149, 0.2715, 0.2216

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

40.0471, 0.2977, 0.2858

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9149, 0.2715, 0.2216 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(188, 150, 242)` looks like.

```
.text, #text, p{  
    color:rgb(188, 150, 242)  
}
```

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(188, 150, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 150, 242) }
```

Border

The CSS property to change the border of an element to Yxy 38.9149, 0.2715, 0.2216 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(188, 150, 242) }
```

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

```
.border{ border-color:rgb(188, 150, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 150, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 150, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 150, 242);  
box-shadow:4px 4px 4px 4px rgb(188, 150,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9149, 0.2715, 0.2216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 150, 242) }
```

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

```
.background{ background-color: rgb(188,  
150, 242) }
```

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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