

Converting Colors

$Y_{xy}(37.1899, 0.2656, 0.2075)$

Have a look what the booklet for
Yxy(37.1899, 0.2656, 0.2075)
contains.

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Color

Yxy(37.1758, 0.2661, 0.2075)

Conversions

Conversions Part 1

Format	Color
Hex	BC8FF9
RGB	188, 143, 249
RGB Percent	74%, 56%, 98%
CMY	0.2625, 0.4393, 0.0234
CMYK	0.24, 0.43, 0.00, 0.02
HSL	266°, 90%, 77%
HSV	266°, 43%, 98%
XYZ	47.6746, 37.1758, 94.3101
YIQ	168.5390, -7.2060, 42.5060

Conversions

Conversions Part 2

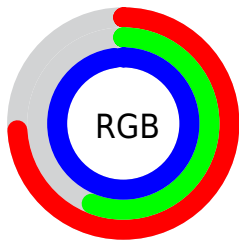
Format	Color
R _Y B	188, 143, 249
Decimal	12357625
CIE Lab	67.41, 37.75, -46.84
CIE LCh	67, 60.157, 308.867
Yxy	37.1758, 0.2661, 0.2075
Android (android.graphics.Color)	4290547705 (0xFFBC8FF9)
YUV	168.5390, 39.6673, 17.0673
Hunter-Lab	60.9720, 32.8701, -49.0281

Details

The Yxy color **37.1758, 0.2661, 0.2075** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **82.5822, 0.3447, 0.4467**, and the grayscale version is **39.2427, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.7453, 0.3087, 0.2710**, and **16.3656, 0.2511, 0.1798** is the 20% darker color. If you saturate the color by 10%, you get **28.7841, 0.2517, 0.1768**, and if you desaturate by 10%, it is **47.4101, 0.2794, 0.2385**.

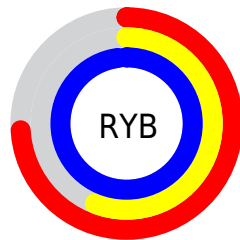
Distribution



Red (74%)

Green (56%)

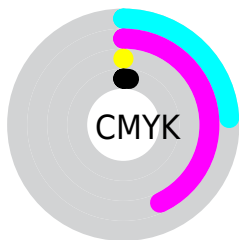
Blue (98%)



Red (74%)

Yellow (56%)

Blue (98%)

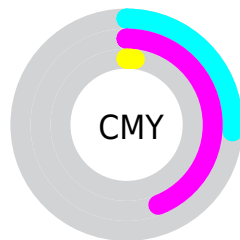


Cyan (24%)

Magenta (43%)

Yellow (0%)

Black (2%)



Cyan (26%)


Magenta (44%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.1758, 0.2661, 0.2075 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 37.1758, 0.2661, 0.2075 by changing the saturation by 10% instead.


 37.1758, 0.2661,
0.2075


 37.1758, 0.2661,
0.2075


334.0710, 0.2910,
0.2641

 25.3436, 0.2597,
0.1948


 70.8431, 0.2754,
0.2270

 16.3333, 0.2514,
0.1794


 93.4470, 0.2788,
0.2346

 9.7603, 0.2403,
0.1603


120.4103, 0.2816,
0.2412

 5.2403, 0.2251,
0.1364

152.1173, 0.2841,
0.2470

 2.3889, 0.2033,
0.1064

188.9525, 0.2862,
0.2520

 0.8202, 0.1707,
0.0691

231.3003, 0.2880,

 0.0000, 0.1222,

0.2565

0.0000

279.5450, 0.2896,
0.2605

0.0000, 0.0000,
0.0000

37.1758, 0.2661,
0.2075

37.1758, 0.2661,
0.2075

28.7841, 0.2517,
0.1768

47.4101, 0.2794,
0.2385

22.1142, 0.2368,
0.1478

59.5884, 0.2912,
0.2684

17.0376, 0.2218,
0.1224

73.8100, 0.3017,
0.2967

13.4045, 0.2077,
0.1019

90.1657, 0.3106,
0.3227

11.0350, 0.1950,
0.0875

99.6215, 0.3162,
0.3347

■ 9.8976, 0.1868,
0.0803

Harmonies

Analogous

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



37.1758, 0.2012, 0.1961



37.1758, 0.2661, 0.2075



37.1758, 0.3558, 0.2422

Triad

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



37.1758, 0.2661, 0.2075



37.1758, 0.4761, 0.4202



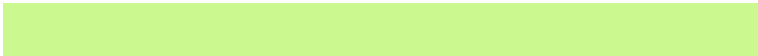
37.1758, 0.1928, 0.3489

Complementary

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



37.1758, 0.2661, 0.2075



82.5822, 0.3447, 0.4467

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.



37.1758, 0.2553, 0.4468



37.1758, 0.2661, 0.2075



37.1758, 0.4187, 0.4765

Square

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



37.1758, 0.2661, 0.2075



37.1758, 0.4886, 0.3560



37.1758, 0.3381, 0.4962



37.1758, 0.1638, 0.2620

Rectangle

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



37.1758, 0.2661, 0.2075



37.1758, 0.4167, 0.2756



37.1758, 0.3381, 0.4962



37.1758, 0.2102, 0.3830

Sweetspot

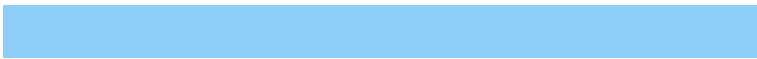
The Sweet Spot groups the original color and five complimentary colors.



37.1773, 0.2661, 0.2075



77.2060, 0.3012, 0.2955



56.2648, 0.2458, 0.2753



15.7791, 0.2990, 0.2894



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.



37.1773, 0.2661, 0.2075



31.6063, 0.2540, 0.1814



45.0372, 0.3100, 0.2219



17.0036, 0.3046, 0.3050



5.3762, 0.1885, 0.0812



0.5589, 0.2017, 0.0885

Inverse Universe

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



44.1391, 0.3593, 0.2653



40.0713, 0.3729, 0.2534



76.4100, 0.3115, 0.4599



17.3925, 0.3204, 0.3154



11.8734, 0.4647, 0.2333



1.1209, 0.4427, 0.2212

Previews

White Background



This preview shows how the Yxy color 37.1758, 0.2661, 0.2075 looks on a white background.

Color Contrast Check

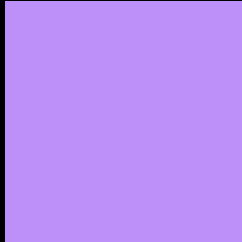
Large Text (above 18pt) WCAG AA × Fail

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 37.1758, 0.2661, 0.2075 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 37.1758, 0.2661, 0.2075

Background



This preview shows how black text looks on a background with the Yxy color 37.1758, 0.2661, 0.2075.



This preview shows how white text looks on a background with the Yxy color 37.1758, 0.2661, 0.2075.

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

37.1758, 0.2661, 0.2075

Protanopia

37.4556, 0.2258, 0.2114

Deuteranopia

37.3762, 0.2298, 0.2232



Tritanopia

37.1188, 0.3154, 0.3124

Trichromacy



Original Color

37.1758, 0.2661, 0.2075

Protanomaly

36.7824, 0.2380, 0.2082

Deuteranomaly

36.9148, 0.2415, 0.2169

Tritanomaly

36.8650, 0.2960, 0.2690

Monochromacy



Original Color

37.1758, 0.2661, 0.2075

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

38.4489, 0.2951, 0.2790

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1758, 0.2661, 0.2075 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, 143, 249)` looks like.

```
.text, #text, p{  
    color:rgb(188, 143, 249)  
}
```

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, 143, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 143, 249) }
```

Border

The CSS property to change the border of an element to Yxy 37.1758, 0.2661, 0.2075 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, 143, 249) }
```

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

```
.border{ border-color:rgb(188, 143, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 143, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 143, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 143, 249);  
box-shadow:4px 4px 4px 4px rgb(188, 143,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1758, 0.2661, 0.2075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 143, 249) }
```

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

```
.background{ background-color: rgb(188,  
143, 249) }
```

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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