

Converting Colors

$Y_{xy}(37.6617, 0.2714, 0.2005)$

Have a look what the booklet for
Yxy(37.6617, 0.2714, 0.2005)
contains.

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Color

Yxy(37.6763, 0.2713, 0.2006)

Conversions

Conversions Part 1

Format	Color
Hex	C88AFF
RGB	200, 138, 255
RGB Percent	78%, 54%, 100%
CMY	0.2157, 0.4588, 0.0000
CMYK	0.22, 0.46, 0.00, 0.00
HSL	272°, 100%, 77%
HSV	272°, 46%, 100%
XYZ	50.9550, 37.6763, 99.1867
YIQ	169.8760, -0.6050, 49.5310

Conversions

Conversions Part 2

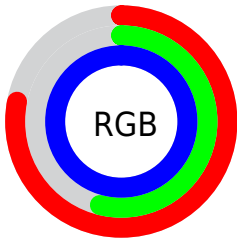
Format	Color
R_{YB}	200, 138, 255
Decimal	13142783
CIE _{Lab}	67.78, 45.05, -49.43
CIE _{LCh}	68, 66.880, 312.350
Yxy	37.6763, 0.2713, 0.2006
Android (android.graphics.Color)	4291332863 (0xFFC88AFF)
YUV	169.8760, 41.9661, 26.4187
Hunter-Lab	61.3810, 40.7638, -52.8411

Details

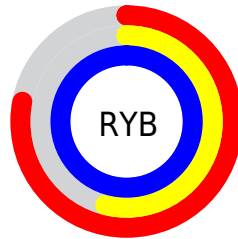
The Yxy color **37.6763, 0.2713, 0.2006** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **84.6883, 0.3385, 0.4599**, and the grayscale version is **39.9221, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6199, 0.3156, 0.2683**, and **16.6621, 0.2579, 0.1718** is the 20% darker color. If you saturate the color by 10%, you get **29.6130, 0.2592, 0.1720**, and if you desaturate by 10%, it is **47.5894, 0.2825, 0.2303**.

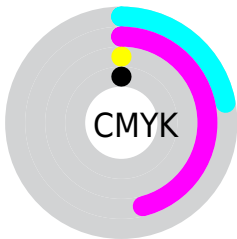
Distribution



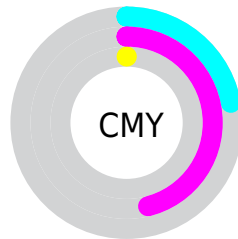
- Red (78%)
- Green (54%)
- Blue (100%)



- Red (78%)
- Yellow (54%)
- Blue (100%)



- Cyan (22%)
- Magenta (46%)
- Yellow (0%)
- Black (0%)




- Cyan (22%)
- Magenta (46%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6763, 0.2713, 0.2006 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 37.6763, 0.2713, 0.2006 by changing the saturation by 10% instead.

 37.6763, 0.2713,
0.2006


 37.6763, 0.2713,
0.2006


336.2293, 0.2939,
0.2595

 25.7316, 0.2654,
0.1876


 71.6117, 0.2798,
0.2207

 16.6229, 0.2577,
0.1720


 94.3712, 0.2829,
0.2286

 9.9660, 0.2475,
0.1528


 121.5043, 0.2855,
0.2355

 5.3764, 0.2334,
0.1292

153.3956, 0.2877,
0.2415

 2.4698, 0.2131,
0.0999

190.4293, 0.2895,
0.2468

 0.8614, 0.1827,
0.0644

232.9899, 0.2912,

 0.0000, 0.1397,

0.2515


0.0000


281.4618, 0.2926,
0.2557


 0.0000, 0.0000,
0.0000


 37.6763, 0.2713,
0.2006


 37.6763, 0.2713,
0.2006


 29.6130, 0.2592,
0.1720


 47.5894, 0.2825,
0.2303

 23.2699, 0.2466,
0.1458


 59.4607, 0.2925,
0.2597

 18.5076, 0.2339,
0.1235

 73.3955, 0.3013,
0.2879

 15.1615, 0.2218,
0.1063

 89.4901, 0.3088,
0.3144

 13.0279, 0.2107,
0.0947

99.9995, 0.3127,
0.3290

■ 12.3796, 0.2064,
0.0911

Harmonies

Analogous

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



37.6763, 0.1977, 0.1851



37.6763, 0.2713, 0.2006



37.6763, 0.3718, 0.2402

Triad

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



37.6763, 0.2713, 0.2006



37.6763, 0.4848, 0.4330



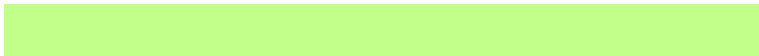
37.6763, 0.1760, 0.3370

Complementary

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



37.6763, 0.2713, 0.2006



84.6883, 0.3385, 0.4599

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.



37.6763, 0.2388, 0.4499



37.6763, 0.2713, 0.2006



37.6763, 0.4166, 0.4948

Square

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



37.6763, 0.2713, 0.2006



37.6763, 0.5076, 0.3635



37.6763, 0.3273, 0.5136



37.6763, 0.1502, 0.2457

Rectangle

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



37.6763, 0.2713, 0.2006



37.6763, 0.4382, 0.2770



37.6763, 0.3273, 0.5136



37.6763, 0.1929, 0.3750

Sweetspot

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



37.6778, 0.2713, 0.2006



76.2543, 0.3028, 0.2930



51.4529, 0.2381, 0.2555



15.6208, 0.3011, 0.2871



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.



37.6778, 0.2713, 0.2006



30.2515, 0.2603, 0.1744



46.5327, 0.3196, 0.2185



17.8515, 0.3062, 0.3050



6.5588, 0.2080, 0.0920



0.7037, 0.2200, 0.0985

Inverse Universe

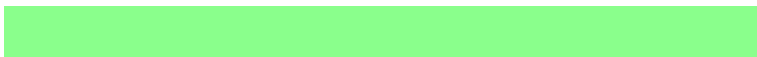
The Inverse Universe completely reimagines the original color for something new.



43.2887, 0.3773, 0.2724



36.7879, 0.3971, 0.2625



78.8111, 0.3050, 0.4716



18.1292, 0.3220, 0.3179



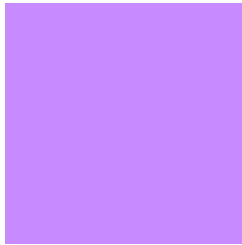
11.8455, 0.5091, 0.2578



1.1752, 0.4821, 0.2429

Previews

White Background



This preview shows how the Yxy color 37.6763, 0.2713, 0.2006 looks on a white background.

Color Contrast Check

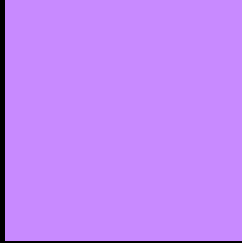
Large Text (above 18pt) WCAG AA × Fail

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 37.6763, 0.2713, 0.2006 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 37.6763, 0.2713, 0.2006

Background



This preview shows how black text looks on a background with the Yxy color 37.6763, 0.2713, 0.2006.



This preview shows how white text looks on a background with the Yxy color 37.6763, 0.2713, 0.2006.

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

37.6763, 0.2713, 0.2006

Protanopia

37.8860, 0.2266, 0.2128

Deuteranopia

38.2480, 0.2268, 0.2207



Tritanopia

37.7951, 0.3290, 0.3130

Trichromacy



Original Color

37.6763, 0.2713, 0.2006



Protanomaly

37.0704, 0.2401, 0.2063



Deuteranomaly

37.2433, 0.2401, 0.2107

Tritanomaly

37.4266, 0.3062, 0.2659

Monochromacy



Original Color

37.6763, 0.2713, 0.2006



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

38.4945, 0.2970, 0.2734

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6763, 0.2713, 0.2006 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(200, 138, 255)` looks like.

```
.text, #text, p{  
    color:rgb(200, 138, 255)  
}
```

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(200, 138, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 138, 255) }
```

Border

The CSS property to change the border of an element to Yxy 37.6763, 0.2713, 0.2006 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(200, 138, 255) }
```

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

```
.border{ border-color:rgb(200, 138, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 138, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 138, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 138, 255);  
box-shadow:4px 4px 4px 4px rgb(200, 138,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6763, 0.2713, 0.2006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 138, 255) }
```

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

```
.background{ background-color: rgb(200,  
138, 255) }
```

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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