

Converting Colors

$Y_{xy}(37.8089, 0.2693, 0.2016)$

Have a look what the booklet for
Yxy(37.8089, 0.2693, 0.2016)
contains.

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Color

Yxy(37.8465, 0.2690, 0.2018)

Conversions

Conversions Part 1

Format	Color
Hex	C58CFF
RGB	197, 140, 255
RGB Percent	77%, 55%, 100%
CMY	0.2275, 0.4509, 0.0000
CMYK	0.23, 0.45, 0.00, 0.00
HSL	270°, 100%, 77%
HSV	270°, 45%, 100%
XYZ	50.4495, 37.8465, 99.2486
YIQ	170.1530, -2.9430, 47.8490

Conversions

Conversions Part 2

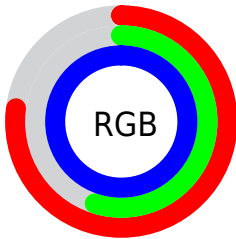
Format	Color
R _{YB}	197, 140, 255
Decimal	12946687
CIE _{Lab}	67.91, 43.16, -49.25
CIE _{LCh}	68, 65.488, 311.232
Y _{xy}	37.8465, 0.2690, 0.2018
Android (android.graphics.Color)	4291136767 (0xFFC58CFF)
YUV	170.1530, 41.8296, 23.5448
Hunter-Lab	61.5195, 38.7210, -52.5881

Details

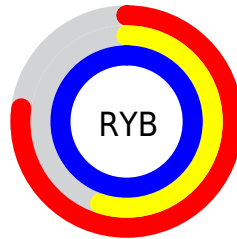
The Yxy color **37.8465, 0.2690, 0.2018** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **85.4195, 0.3408, 0.4564**, and the grayscale version is **40.0683, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.5102, 0.3155, 0.2703**, and **16.7194, 0.2550, 0.1728** is the 20% darker color. If you saturate the color by 10%, you get **29.5757, 0.2561, 0.1725**, and if you desaturate by 10%, it is **47.9950, 0.2809, 0.2319**.

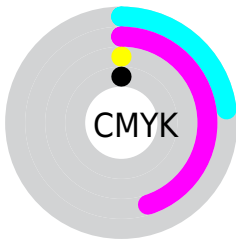
Distribution



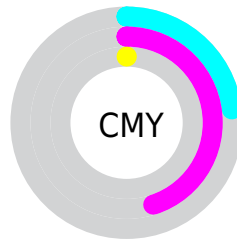
- Red (77%)
- Green (55%)
- Blue (100%)



- Red (77%)
- Yellow (55%)
- Blue (100%)



- Cyan (23%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)





- Cyan (23%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8465, 0.2690, 0.2018 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 37.8465, 0.2690, 0.2018 by changing the saturation by 10% instead.


 37.8465, 0.2690,
0.2018


 37.8465, 0.2690,
0.2018


336.9610, 0.2926,
0.2602

 25.8636, 0.2629,
0.1889


 71.8728, 0.2778,
0.2218

 16.7216, 0.2549,
0.1733

 94.6850, 0.2811,
0.2297

 10.0362, 0.2444,
0.1542


 121.8757, 0.2838,
0.2365

 5.4230, 0.2299,
0.1306

153.8293, 0.2861,
0.2424

 2.4975, 0.2092,
0.1013

190.9303, 0.2881,
0.2477

 0.8754, 0.1783,
0.0657

233.5629, 0.2898,


 0.0000, 0.1349,

0.2523

0.0000


282.1117, 0.2913,
0.2565


 0.0000, 0.0000,
0.0000

 37.8465, 0.2690,
0.2018

 37.8465, 0.2690,
0.2018


 29.5757, 0.2561,
0.1725


 47.9950, 0.2809,
0.2319


 23.0533, 0.2427,
0.1454


 60.1294, 0.2916,
0.2616

 18.1406, 0.2292,
0.1222

 74.3552, 0.3010,
0.2900

 14.6743, 0.2164,
0.1041

 90.7687, 0.3091,
0.3164

 12.4540, 0.2048,
0.0917

99.9996, 0.3127,
0.3290

■ 11.6814, 0.1995,
0.0873

Harmonies

Analogous

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



37.8465, 0.1978, 0.1875



37.8465, 0.2690, 0.2018



37.8465, 0.3668, 0.2401

Triad

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



37.8465, 0.2690, 0.2018



37.8465, 0.4835, 0.4293



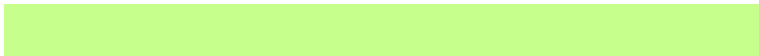
37.8465, 0.1803, 0.3411

Complementary

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



37.8465, 0.2690, 0.2018



85.4195, 0.3408, 0.4564

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.



37.8465, 0.2436, 0.4505



37.8465, 0.2690, 0.2018



37.8465, 0.4182, 0.4901

Square

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



37.8465, 0.2690, 0.2018



37.8465, 0.5032, 0.3610



37.8465, 0.3309, 0.5098



37.8465, 0.1533, 0.2503

Rectangle

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



37.8465, 0.2690, 0.2018



37.8465, 0.4322, 0.2760



37.8465, 0.3309, 0.5098



37.8465, 0.1975, 0.3784

Sweetspot

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



37.8480, 0.2690, 0.2018



76.0422, 0.3020, 0.2929



53.8370, 0.2402, 0.2618



15.5692, 0.3001, 0.2870



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.



37.8480, 0.2690, 0.2018



30.3925, 0.2575, 0.1756



46.8772, 0.3162, 0.2181



17.8197, 0.3057, 0.3050



6.1926, 0.2012, 0.0882



0.6678, 0.2135, 0.0950

Inverse Universe

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



44.0976, 0.3716, 0.2694



37.6308, 0.3892, 0.2588



79.1550, 0.3071, 0.4707



18.1400, 0.3215, 0.3171



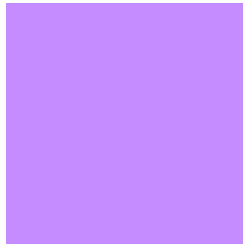
11.9624, 0.4945, 0.2498



1.1868, 0.4693, 0.2359

Previews

White Background



This preview shows how the Yxy color 37.8465, 0.2690, 0.2018 looks on a white background.

Color Contrast Check

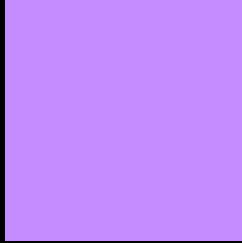
Large Text (above 18pt) WCAG AA × Fail

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 37.8465, 0.2690, 0.2018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

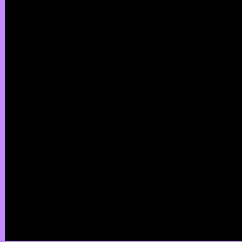
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.8465, 0.2690, 0.2018

Background



This preview shows how black text looks on a background with the Yxy color 37.8465, 0.2690, 0.2018.



This preview shows how white text looks on a background with the Yxy color 37.8465, 0.2690, 0.2018.

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

37.8465, 0.2690, 0.2018

Protanopia

38.2397, 0.2268, 0.2141

Deuteranopia

38.2480, 0.2268, 0.2207



Tritanopia

37.8038, 0.3250, 0.3129

Trichromacy



Original Color

37.8465, 0.2690, 0.2018



Protanomaly

37.6313, 0.2398, 0.2085



Deuteranomaly

37.4806, 0.2396, 0.2118



Tritanomaly

37.4121, 0.3026, 0.2655

Monochromacy



Original Color

37.8465, 0.2690, 0.2018



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

38.7166, 0.2962, 0.2746

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8465, 0.2690, 0.2018 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(197, 140, 255)` looks like.

```
.text, #text, p{  
    color:rgb(197, 140, 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(197, 140, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 140, 255) }
```

Border

The CSS property to change the border of an element to Yxy 37.8465, 0.2690, 0.2018 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(197, 140, 255) }
```

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

```
.border{ border-color:rgb(197, 140, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 140, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 140, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 140, 255);  
box-shadow:4px 4px 4px 4px rgb(197, 140,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8465, 0.2690, 0.2018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 140, 255) }
```

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

```
.background{ background-color: rgb(197,  
140, 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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