

Converting Colors

$Y_{xy}(37.7158, 0.2654, 0.2214)$

Have a look what the booklet for
Yxy(37.7158, 0.2654, 0.2214)
contains.

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Color

Yxy(37.6877, 0.2657, 0.2214)

Conversions

Conversions Part 1

Format	Color
Hex	B396F0
RGB	179, 150, 240
RGB Percent	70%, 59%, 94%
CMY	0.2979, 0.4118, 0.0589
CMYK	0.25, 0.37, 0.00, 0.06
HSL	259°, 75%, 76%
HSV	259°, 37%, 94%
XYZ	45.2286, 37.6877, 87.3081
YIQ	168.9310, -11.6060, 34.1380

Conversions

Conversions Part 2

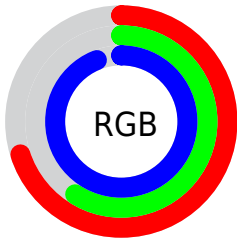
Format	Color
R _Y B	179, 150, 240
Decimal	11769584
CIE Lab	67.79, 29.19, -41.34
CIE LCh	68, 50.610, 305.228
Yxy	37.6877, 0.2657, 0.2214
Android (android.graphics.Color)	4289959664 (0xFFB396F0)
YUV	168.9310, 35.0370, 8.8305
Hunter-Lab	61.3903, 24.0749, -41.3479

Details

The Yxy color **37.6877, 0.2657, 0.2214** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **78.3447, 0.3480, 0.4294**, and the grayscale version is **39.4710, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.2386, 0.3014, 0.2770**, and **16.6695, 0.2505, 0.1949** is the 20% darker color. If you saturate the color by 10%, you get **28.9751, 0.2496, 0.1891**, and if you desaturate by 10%, it is **48.1995, 0.2805, 0.2530**.

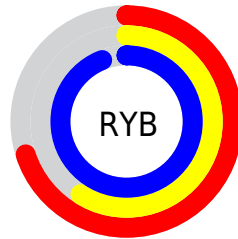
Distribution



Red (70%)

Green (59%)

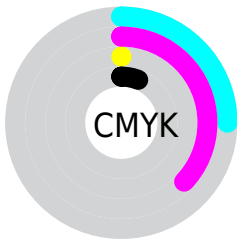
Blue (94%)



Red (70%)

Yellow (59%)

Blue (94%)

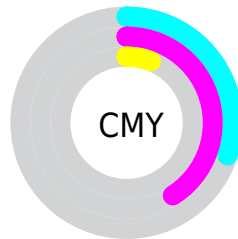


Cyan (25%)

Magenta (37%)

Yellow (0%)

Black (6%)



Cyan (30%)


Magenta (41%)

Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6877, 0.2657, 0.2214 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 37.6877, 0.2657, 0.2214 by changing the saturation by 10% instead.


 37.6877, 0.2657,
0.2214


 37.6877, 0.2657,
0.2214


336.2784, 0.2904,
0.2724

 25.7404, 0.2593,
0.2097

 71.6292, 0.2749,
0.2392

 16.6295, 0.2511,
0.1952


 94.3922, 0.2782,
0.2461

 9.9707, 0.2402,
0.1771


121.5292, 0.2811,
0.2521

 5.3795, 0.2252,
0.1539

153.4246, 0.2835,
0.2572

 2.4716, 0.2034,
0.1237

190.4629, 0.2856,
0.2617

 0.8624, 0.1704,
0.0845

233.0283, 0.2874,

 0.0000, 0.1133,

0.2657

0.0000

281.5054, 0.2890,
0.2693

0.0000, 0.0000,
0.0000

37.6877, 0.2657,
0.2214

37.6877, 0.2657,
0.2214

28.9751, 0.2496,
0.1891

48.1995, 0.2805,
0.2530

21.9531, 0.2327,
0.1576

60.6019, 0.2936,
0.2827

16.5077, 0.2158,
0.1286

74.9850, 0.3051,
0.3102

12.5087, 0.1998,
0.1042

91.4320, 0.3151,
0.3350

9.8037, 0.1857,
0.0858

99.0697, 0.3215,
0.3435

■ 8.1936, 0.1742,
0.0742

■ 7.8873, 0.1717,
0.0719

Harmonies

Analogous

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



37.6877, 0.2119, 0.2146



37.6877, 0.2657, 0.2214



37.6877, 0.3400, 0.2498

Triad

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



37.6877, 0.2657, 0.2214



37.6877, 0.4561, 0.4043



37.6877, 0.2161, 0.3569

Complementary

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



37.6877, 0.2657, 0.2214



78.3447, 0.3480, 0.4294

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.



37.6877, 0.2738, 0.4332



37.6877, 0.2657, 0.2214



37.6877, 0.4129, 0.4514

Square

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



37.6877, 0.2657, 0.2214



37.6877, 0.4586, 0.3486



37.6877, 0.3459, 0.4686



37.6877, 0.1858, 0.2816

Rectangle

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



37.6877, 0.2657, 0.2214



37.6877, 0.3915, 0.2783



37.6877, 0.3459, 0.4686



37.6877, 0.2327, 0.3844

Sweetspot

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



37.6892, 0.2657, 0.2214



79.9647, 0.3013, 0.3007



59.6008, 0.2554, 0.2943



16.6298, 0.2997, 0.2970



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.



37.6892, 0.2657, 0.2214



35.4312, 0.2535, 0.1967



43.8644, 0.3028, 0.2322



15.4764, 0.3030, 0.3049



4.3821, 0.1731, 0.0727



0.4162, 0.1873, 0.0805

Inverse Universe

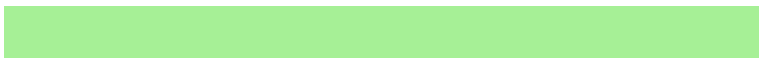
The Inverse Universe completely reimagines the original color for something new.



45.0308, 0.3430, 0.2637



45.1489, 0.3514, 0.2506



72.6670, 0.3176, 0.4397



15.9395, 0.3187, 0.3131



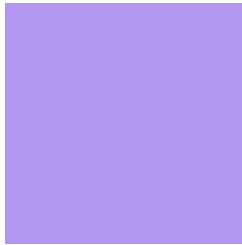
11.6045, 0.4232, 0.2105



0.9835, 0.4064, 0.2012

Previews

White Background



This preview shows how the Yxy color 37.6877, 0.2657, 0.2214 looks on a white background.

Color Contrast Check

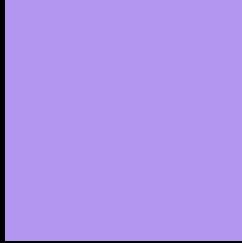
Large Text (above 18pt) WCAG AA × Fail

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 37.6877, 0.2657, 0.2214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

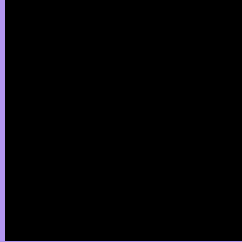
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.6877, 0.2657, 0.2214

Background



This preview shows how black text looks on a background with the Yxy color 37.6877, 0.2657, 0.2214.



This preview shows how white text looks on a background with the Yxy color 37.6877, 0.2657, 0.2214.

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

37.6877, 0.2657, 0.2214

Protanopia

37.8111, 0.2307, 0.2180

Deuteranopia

37.9837, 0.2396, 0.2341



Tritanopia

37.5445, 0.3052, 0.3108

Trichromacy



Original Color

37.6877, 0.2657, 0.2214

Protanomaly

37.5916, 0.2419, 0.2195

Deuteranomaly

37.6447, 0.2480, 0.2289

Tritanomaly

37.2352, 0.2898, 0.2744

Monochromacy



Original Color

37.6877, 0.2657, 0.2214

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

38.6650, 0.2949, 0.2850

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6877, 0.2657, 0.2214 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(179, 150, 240)` looks like.

```
.text, #text, p{  
  color:rgb(179, 150, 240)  
}
```

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(179, 150, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 150, 240) }
```

Border

The CSS property to change the border of an element to Yxy 37.6877, 0.2657, 0.2214 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(179, 150, 240) }
```

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

```
.border{ border-color:rgb(179, 150, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 150, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 150, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 150, 240);  
box-shadow:4px 4px 4px 4px rgb(179, 150,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6877, 0.2657, 0.2214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 150, 240) }
```

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

```
.background{ background-color: rgb(179,  
150, 240) }
```

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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