

Converting Colors

$Y_{xy}(37.6604, 0.2609, 0.2120)$

Have a look what the booklet for
Yxy(37.6604, 0.2609, 0.2120)
contains.

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Color

Yxy(37.6604, 0.2609, 0.2120)

Conversions

Conversions Part 1

Format	Color
Hex	B494F8
RGB	180, 148, 248
RGB Percent	71%, 58%, 97%
CMY	0.2943, 0.4195, 0.0274
CMYK	0.27, 0.40, 0.00, 0.03
HSL	259°, 88%, 78%
HSV	259°, 40%, 97%
XYZ	46.3472, 37.6604, 93.6358
YIQ	168.9680, -13.0280, 37.8840

Conversions

Conversions Part 2

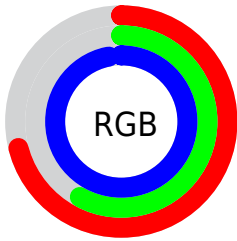
Format	Color
R_{YB}	180, 148, 248
Decimal	11834616
CIE _{Lab}	67.77, 32.47, -45.76
CIE _{LCh}	68, 56.112, 305.360
Yxy	37.6604, 0.2609, 0.2120
Android (android.graphics.Color)	4290024696 (0xFFB494F8)
YUV	168.9680, 38.9628, 9.6751
Hunter-Lab	61.3681, 27.4149, -47.5075

Details

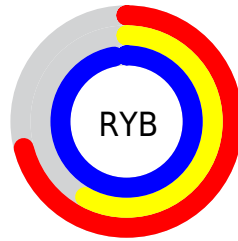
The Yxy color **37.6604, 0.2609, 0.2120** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **83.8861, 0.3506, 0.4373**, and the grayscale version is **39.4673, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.6382, 0.3028, 0.2752**, and **16.6710, 0.2456, 0.1849** is the 20% darker color. If you saturate the color by 10%, you get **28.7927, 0.2444, 0.1797**, and if you desaturate by 10%, it is **48.4443, 0.2762, 0.2440**.

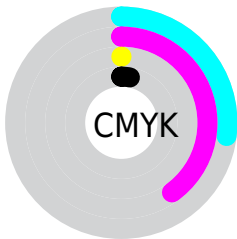
Distribution



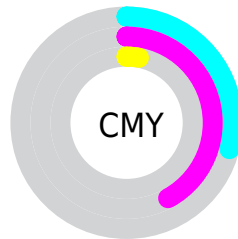
- Red (71%)
- Green (58%)
- Blue (97%)



- Red (71%)
- Yellow (58%)
- Blue (97%)



- Cyan (27%)
- Magenta (40%)
- Yellow (0%)
- Black (3%)




- Cyan (29%)
- Magenta (42%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6604, 0.2609, 0.2120 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 37.6604, 0.2609, 0.2120 by changing the saturation by 10% instead.


 37.6604, 0.2609,
0.2120


 37.6604, 0.2609,
0.2120


336.1609, 0.2881,
0.2669

 25.7192, 0.2540,
0.1996


 71.5873, 0.2709,
0.2310

 16.6137, 0.2451,
0.1845


 94.3419, 0.2747,
0.2384

 9.9595, 0.2333,
0.1657


121.4696, 0.2778,
0.2448

 5.3721, 0.2173,
0.1420

153.3550, 0.2805,
0.2504

 2.4672, 0.1945,
0.1118

190.3825, 0.2828,
0.2552

 0.8601, 0.1609,
0.0741

232.9363, 0.2848,

 0.0000, 0.1088,


0.2596

0.0000


281.4010, 0.2865,
0.2634

 0.0000, 0.0000,
0.0000


 37.6604, 0.2609,
0.2120


 37.6604, 0.2609,
0.2120

 28.7927, 0.2444,
0.1797

 48.4443, 0.2762,
0.2440


 21.7206, 0.2273,
0.1486


 61.2464, 0.2899,
0.2744


 16.3162, 0.2105,
0.1206

 76.1664, 0.3020,
0.3026

 12.4323, 0.1949,
0.0978

 93.2961, 0.3124,
0.3282

 9.8942, 0.1815,
0.0814

 99.5576, 0.3168,
0.3357

■ 8.4485, 0.1710,
0.0716

Harmonies

Analogous

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



37.6604, 0.2027, 0.2042



37.6604, 0.2609, 0.2120



37.6604, 0.3428, 0.2427

Triad

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



37.6604, 0.2609, 0.2120



37.6604, 0.4698, 0.4095



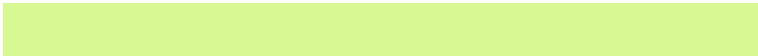
37.6604, 0.2061, 0.3590

Complementary

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



37.6604, 0.2609, 0.2120



83.8861, 0.3506, 0.4373

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.



37.6604, 0.2684, 0.4459



37.6604, 0.2609, 0.2120



37.6604, 0.4210, 0.4628

Square

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



37.6604, 0.2609, 0.2120



37.6604, 0.4743, 0.3488



37.6604, 0.3472, 0.4846



37.6604, 0.1742, 0.2752

Rectangle

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



37.6604, 0.2609, 0.2120



37.6604, 0.4001, 0.2733



37.6604, 0.3472, 0.4846



37.6604, 0.2238, 0.3902

Sweetspot

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



37.6619, 0.2609, 0.2120



78.2682, 0.3000, 0.2980



62.3632, 0.2512, 0.2912



16.2905, 0.2985, 0.2944



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.



37.6619, 0.2609, 0.2120



32.6213, 0.2482, 0.1869



44.7334, 0.3017, 0.2247



16.9120, 0.3029, 0.3048



4.6300, 0.1725, 0.0724



0.4831, 0.1851, 0.0794

Inverse Universe

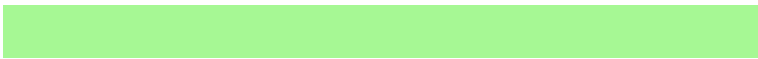
The Inverse Universe completely reimagines the original color for something new.



46.1056, 0.3458, 0.2583



42.8790, 0.3545, 0.2454



77.4211, 0.3177, 0.4495



17.4247, 0.3187, 0.3130



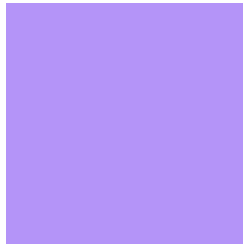
12.3505, 0.4221, 0.2099



1.1632, 0.4070, 0.2016

Previews

White Background



This preview shows how the Yxy color 37.6604, 0.2609, 0.2120 looks on a white background.

Color Contrast Check

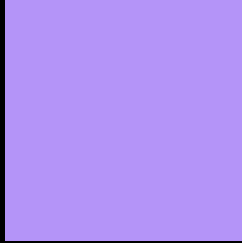
Large Text (above 18pt) WCAG AA × Fail

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 37.6604, 0.2609, 0.2120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

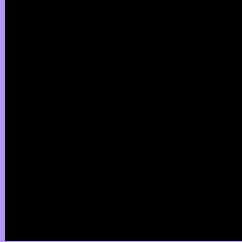
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.6604, 0.2609, 0.2120

Background



This preview shows how black text looks on a background with the Yxy color 37.6604, 0.2609, 0.2120.



This preview shows how white text looks on a background with the Yxy color 37.6604, 0.2609, 0.2120.

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

37.6604, 0.2609, 0.2120

Protanopia

37.8860, 0.2266, 0.2128

Deuteranopia

37.8893, 0.2312, 0.2249



Tritanopia

37.4360, 0.3043, 0.3108

Trichromacy



Original Color

37.6604, 0.2609, 0.2120

Protanomaly

37.5318, 0.2378, 0.2124

Deuteranomaly

37.4034, 0.2406, 0.2191

Tritanomaly

37.3759, 0.2874, 0.2707

Monochromacy



Original Color

37.6604, 0.2609, 0.2120

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

38.4512, 0.2925, 0.2799

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6604, 0.2609, 0.2120 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(180, 148, 248)` looks like.

```
.text, #text, p{  
    color:rgb(180, 148, 248)  
}
```

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(180, 148, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 148, 248) }
```

Border

The CSS property to change the border of an element to Yxy 37.6604, 0.2609, 0.2120 is called "border". The border property can be set on classes, ids or directly on the HTML element.

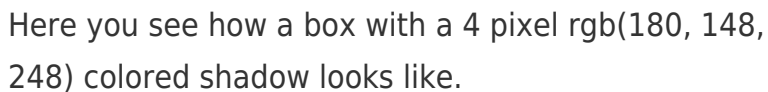
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(180, 148, 248) }
```

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

```
.border{ border-color:rgb(180, 148, 248) }
```

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



Here you see how a box with a 4 pixel `rgb(180, 148, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 148, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 148, 248); box-shadow:4px 4px 4px 4px rgb(180, 148, 248) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6604, 0.2609, 0.2120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 148, 248) }
```

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

```
.background{ background-color: rgb(180,  
148, 248) }
```

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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