

Converting Colors

$Y_{xy}(36.7488, 0.2612, 0.2120)$

Have a look what the booklet for
Yxy(36.7488, 0.2612, 0.2120)
contains.

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Color

Yxy(36.6153, 0.2611, 0.2119)

Conversions

Conversions Part 1

Format	Color
Hex	B292F5
RGB	178, 146, 245
RGB Percent	70%, 57%, 96%
CMY	0.3020, 0.4274, 0.0393
CMYK	0.27, 0.40, 0.00, 0.04
HSL	259°, 83%, 77%
HSV	259°, 40%, 96%
XYZ	45.1168, 36.6153, 91.0631
YIQ	166.8540, -12.7070, 37.5730

Conversions

Conversions Part 2

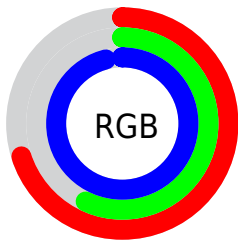
Format	Color
RYB	178, 146, 245
Decimal	11703029
CIELab	66.99, 32.33, -45.35
CIElCh	67, 55.696, 305.485
Yxy	36.6153, 0.2611, 0.2119
Android (android.graphics.Color)	4289893109 (0xFFB292F5)
YUV	166.8540, 38.5260, 9.7750
Hunter-Lab	60.5106, 27.1965, -46.8688

Details

The Yxy color **36.6153, 0.2611, 0.2119** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **81.5177, 0.3504, 0.4376**, and the grayscale version is **38.3834, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.1907, 0.3006, 0.2727**, and **16.0262, 0.2455, 0.1844** is the 20% darker color. If you saturate the color by 10%, you get **28.0110, 0.2447, 0.1796**, and if you desaturate by 10%, it is **47.0778, 0.2763, 0.2438**.

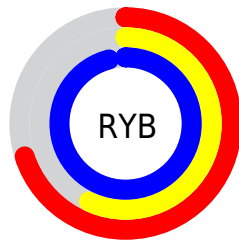
Distribution



Red (70%)

Green (57%)

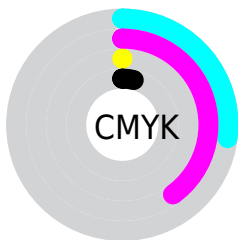
Blue (96%)



Red (70%)

Yellow (57%)

Blue (96%)

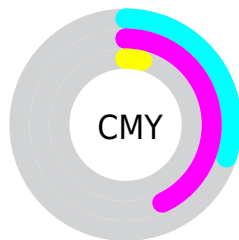


Cyan (27%)

Magenta (40%)

Yellow (0%)

Black (4%)



Cyan (30%)


Magenta (43%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.6153, 0.2611, 0.2119 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 36.6153, 0.2611, 0.2119 by changing the saturation by 10% instead.


 36.6153, 0.2611,
0.2119


 36.6153, 0.2611,
0.2119


331.6420, 0.2883,
0.2671

 24.9098, 0.2541,
0.1994


 69.9807, 0.2712,
0.2311

 16.0098, 0.2451,
0.1840


 92.4094, 0.2749,
0.2385

 9.5311, 0.2332,
0.1649

119.1813, 0.2780,
0.2449

 5.0892, 0.2169,
0.1408

150.6807, 0.2807,
0.2505

 2.2997, 0.1936,
0.1101

187.2921, 0.2830,
0.2554

 0.7735, 0.1590,
0.0713

229.3998, 0.2850,


 0.0000, 0.1004,


0.2598


0.0000

277.3883, 0.2868,
0.2636

 0.0000, 0.0000,
0.0000

 36.6153, 0.2611,
0.2119


 36.6153, 0.2611,
0.2119


 28.0110, 0.2447,
0.1796


 47.0778, 0.2763,
0.2438


 21.1477, 0.2277,
0.1486


 59.4971, 0.2900,
0.2743


 15.9016, 0.2109,
0.1208

 73.9702, 0.3020,
0.3024

 12.1297, 0.1954,
0.0980

 90.5860, 0.3123,
0.3280

 9.6626, 0.1820,
0.0817

 99.3717, 0.3185,
0.3386

■ 8.2611, 0.1716,
0.0719

Harmonies

Analogous

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



36.6153, 0.2027, 0.2040



36.6153, 0.2611, 0.2119



36.6153, 0.3432, 0.2427

Triad

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



36.6153, 0.2611, 0.2119



36.6153, 0.4700, 0.4098



36.6153, 0.2057, 0.3586

Complementary

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



36.6153, 0.2611, 0.2119



81.5177, 0.3504, 0.4376

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.



36.6153, 0.2680, 0.4459



36.6153, 0.2611, 0.2119



36.6153, 0.4209, 0.4632

Square

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



36.6153, 0.2611, 0.2119



36.6153, 0.4747, 0.3491



36.6153, 0.3469, 0.4849



36.6153, 0.1739, 0.2748

Rectangle

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



36.6153, 0.2611, 0.2119



36.6153, 0.4007, 0.2734



36.6153, 0.3469, 0.4849



36.6153, 0.2234, 0.3899

Sweetspot

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



36.6167, 0.2611, 0.2119



78.2878, 0.3001, 0.2980



60.6161, 0.2511, 0.2911



16.2951, 0.2986, 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.



36.6167, 0.2611, 0.2119



32.6737, 0.2486, 0.1870



43.4573, 0.3017, 0.2246



16.1866, 0.3030, 0.3049



4.5170, 0.1731, 0.0727



0.4501, 0.1865, 0.0801

Inverse Universe

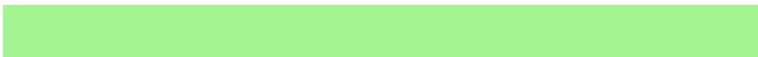
The Inverse Universe completely reimagines the original color for something new.



44.7748, 0.3462, 0.2586



42.8550, 0.3550, 0.2458



75.2804, 0.3177, 0.4497



16.6719, 0.3188, 0.3131



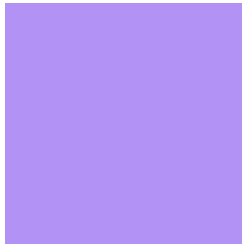
11.9642, 0.4235, 0.2107



1.0703, 0.4074, 0.2018

Previews

White Background



This preview shows how the Yxy color 36.6153, 0.2611, 0.2119 looks on a white background.

Color Contrast Check

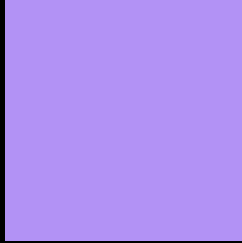
Large Text (above 18pt) WCAG AA × Fail

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 36.6153, 0.2611, 0.2119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

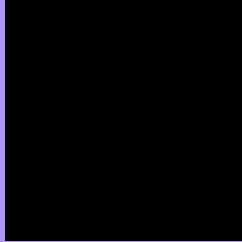
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.6153, 0.2611, 0.2119

Background



This preview shows how black text looks on a background with the Yxy color 36.6153, 0.2611, 0.2119.



This preview shows how white text looks on a background with the Yxy color 36.6153, 0.2611, 0.2119.

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

36.6153, 0.2611, 0.2119

Protanopia

36.9508, 0.2244, 0.2098

Deuteranopia

36.8407, 0.2311, 0.2249



Tritanopia

36.4382, 0.3042, 0.3106

Trichromacy



Original Color

36.6153, 0.2611, 0.2119

Protanomaly

36.5187, 0.2360, 0.2103

Deuteranomaly

36.3590, 0.2405, 0.2190

Tritanomaly

36.3821, 0.2872, 0.2701

Monochromacy



Original Color

36.6153, 0.2611, 0.2119

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

37.3943, 0.2931, 0.2807

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6153, 0.2611, 0.2119 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(178, 146, 245)` looks like.

```
.text, #text, p{  
    color:rgb(178, 146, 245)  
}
```

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(178, 146, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 146, 245) }
```

Border

The CSS property to change the border of an element to Yxy 36.6153, 0.2611, 0.2119 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(178, 146, 245) }
```

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

```
.border{ border-color:rgb(178, 146, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 146, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 146, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 146, 245);  
box-shadow:4px 4px 4px 4px rgb(178, 146,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 36.6153, 0.2611, 0.2119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 146, 245) }
```

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

```
.background{ background-color: rgb(178,  
146, 245) }
```

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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