

Converting Colors

$Y_{xy}(38.3497, 0.2822, 0.1857)$

Have a look what the booklet for
Yxy(38.3497, 0.2822, 0.1857)
contains.

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Color

Yxy(37.6429, 0.2920, 0.1952)

Conversions

Conversions Part 1

Format	Color
Hex	E17CFF
RGB	225, 124, 255
RGB Percent	88%, 49%, 100%
CMY	0.1176, 0.5137, 0.0001
CMYK	0.12, 0.51, 0.00, 0.00
HSL	286°, 100%, 74%
HSV	286°, 51%, 100%
XYZ	56.3101, 37.6429, 98.8897
YIQ	169.1330, 18.1450, 62.1530

Conversions

Conversions Part 2

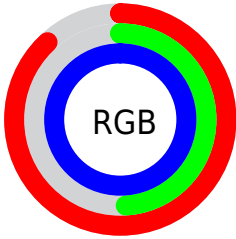
Format	Color
R_{YB}	225, 124, 255
Decimal	14777599
CIE _{Lab}	67.76, 58.92, -49.28
CIE _{LCh}	68, 76.809, 320.093
Yxy	37.6429, 0.2920, 0.1952
Android (android.graphics.Color)	4292967679 (0xFFE17CFF)
YUV	169.1330, 42.3324, 48.9954
Hunter-Lab	61.3538, 56.4568, -52.6156

Details

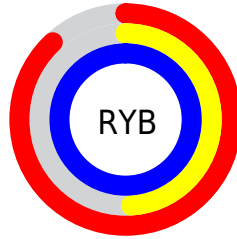
The Yxy color **37.6429, 0.2920, 0.1952** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **79.8302, 0.3209, 0.4861**, and the grayscale version is **39.5265, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.1225, 0.3162, 0.2556**, and **16.6730, 0.2828, 0.1665** is the 20% darker color. If you saturate the color by 10%, you get **31.1371, 0.2862, 0.1723**, and if you desaturate by 10%, it is **45.8358, 0.2973, 0.2206**.

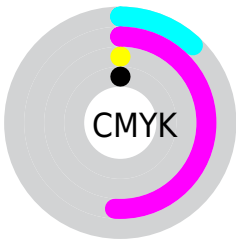
Distribution



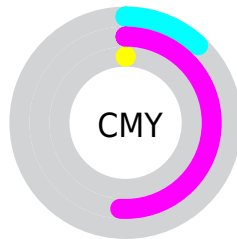
- Red (88%)
- Green (49%)
- Blue (100%)



- Red (88%)
- Yellow (49%)
- Blue (100%)



- Cyan (12%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)





- Cyan (12%)
- Magenta (51%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.6429, 0.2920, 0.1952 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 37.6429, 0.2920, 0.1952 by changing the saturation by 10% instead.


 37.6429, 0.2920,
0.1952


 37.6429, 0.2920,
0.1952

336.0856, 0.3049,
0.2556


 25.7057, 0.2883,
0.1821


 71.5605, 0.2971,
0.2157

 16.6036, 0.2832,
0.1664


 94.3096, 0.2989,
0.2238

 9.9523, 0.2763,
0.1473


 121.4314, 0.3004,
0.2308

 5.3673, 0.2663,
0.1239

153.3104, 0.3016,
0.2370

 2.4643, 0.2512,
0.0953

190.3309, 0.3027,
0.2425

 0.8587, 0.2272,
0.0611

232.8774, 0.3035,

 0.0000, 0.1918,

0.2473

0.0000

281.3341, 0.3043,
0.2517

0.0000, 0.0598,
0.0000

0.0000, 0.0000,
0.0000

37.6429, 0.2920,
0.1952

37.6429, 0.2920,
0.1952

31.1371, 0.2862,
0.1723

45.8358, 0.2973,
0.2206

26.1831, 0.2801,
0.1529

55.8275, 0.3020,
0.2472

22.6326, 0.2738,
0.1378

67.7257, 0.3061,
0.2742

20.3055, 0.2677,
0.1276

81.6281, 0.3095,
0.3005

■ 19.0420, 0.2625,
0.1220

■ 97.6258, 0.3124,
0.3257

■ 99.9988, 0.3127,
0.3290

Harmonies

Analogous

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



37.6429, 0.2009, 0.1711



37.6429, 0.2920, 0.1952



37.6429, 0.4105, 0.2440

Triad

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



37.6429, 0.2920, 0.1952



37.6429, 0.4865, 0.4595



37.6429, 0.1481, 0.3041

Complementary

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



37.6429, 0.2920, 0.1952



79.8302, 0.3209, 0.4861

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.



37.6429, 0.2053, 0.4375



37.6429, 0.2920, 0.1952



37.6429, 0.3998, 0.5281

Square

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



37.6429, 0.2920, 0.1952



37.6429, 0.5323, 0.3815



37.6429, 0.2981, 0.5353



37.6429, 0.1316, 0.2150

Rectangle

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



37.6429, 0.2920, 0.1952



37.6429, 0.4814, 0.2863



37.6429, 0.2981, 0.5353



37.6429, 0.1624, 0.3458

Sweetspot

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



37.6445, 0.2920, 0.1952



76.3549, 0.3084, 0.2911



34.8012, 0.2208, 0.2022



15.7129, 0.3076, 0.2855



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.



37.6445, 0.2920, 0.1952



30.7849, 0.2858, 0.1709



40.8420, 0.3515, 0.2339



18.0786, 0.3101, 0.3053



10.0218, 0.2635, 0.1225



1.0244, 0.2703, 0.1263

Inverse Universe

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



38.0038, 0.4263, 0.2985



31.4863, 0.4653, 0.2945



78.2942, 0.2894, 0.4504



18.0551, 0.3258, 0.3236



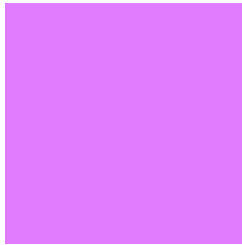
11.2888, 0.6000, 0.3079



1.1149, 0.5691, 0.2909

Previews

White Background



This preview shows how the Yxy color 37.6429, 0.2920, 0.1952 looks on a white background.

Color Contrast Check

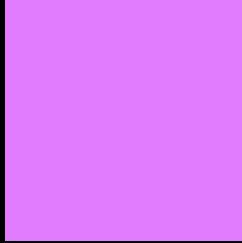
Large Text (above 18pt) WCAG AA × Fail

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 37.6429, 0.2920, 0.1952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

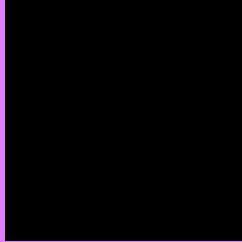
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.6429, 0.2920, 0.1952

Background



This preview shows how black text looks on a background with the Yxy color 37.6429, 0.2920, 0.1952.



This preview shows how white text looks on a background with the Yxy color 37.6429, 0.2920, 0.1952.

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

37.6429, 0.2920, 0.1952

Protanopia

38.2397, 0.2268, 0.2141

Deuteranopia

37.8555, 0.2291, 0.2226



Tritanopia

37.5319, 0.3674, 0.3154

Trichromacy



Original Color

37.6429, 0.2920, 0.1952



Protanomaly

36.7142, 0.2457, 0.2035



Deuteranomaly

36.1835, 0.2471, 0.2074

Tritanomaly

36.9592, 0.3380, 0.2641

Monochromacy



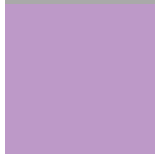
Original Color

37.6429, 0.2920, 0.1952



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

37.7714, 0.3052, 0.2693

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6429, 0.2920, 0.1952 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(225, 124, 255)` looks like.

```
.text, #text, p{  
    color:rgb(225, 124, 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(225, 124, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 124, 255) }
```

Border

The CSS property to change the border of an element to Yxy 37.6429, 0.2920, 0.1952 is called "border". The border property can be set on classes, ids or directly on the HTML element.

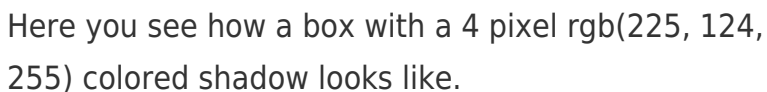
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(225, 124, 255) }
```

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

```
.border{ border-color:rgb(225, 124, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(225, 124, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 124, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 124, 255); box-shadow:4px 4px 4px 4px rgb(225, 124, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6429, 0.2920, 0.1952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 124, 255) }
```

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

```
.background{ background-color: rgb(225,  
124, 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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