

Converting Colors

$Y_{xy}(40.4427, 0.2290, 0.1549)$

Have a look what the booklet for
Yxy(40.4427, 0.2290, 0.1549)
contains.

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Color

Yxy(35.7755, 0.2630, 0.1957)

Conversions

Conversions Part 1

Format	Color
Hex	BE88FF
RGB	190, 136, 255
RGB Percent	75%, 53%, 100%
CMY	0.2550, 0.4666, 0.0001
CMYK	0.25, 0.47, 0.00, 0.00
HSL	267°, 100%, 77%
HSV	267°, 47%, 100%
XYZ	48.0785, 35.7755, 98.9539
YIQ	165.7120, -6.0150, 48.4570

Conversions

Conversions Part 2

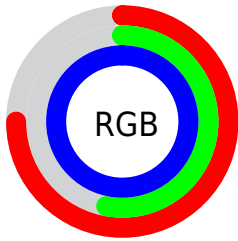
Format	Color
RYB	190, 136, 255
Decimal	12486911
CIELab	66.35, 43.44, -51.75
CIELCh	66, 67.563, 310.013
Yxy	35.7755, 0.2630, 0.1957
Android (android.graphics.Color)	4290676991 (0xFFBE88FF)
YUV	165.7120, 44.0190, 21.3006
Hunter-Lab	59.8126, 38.8094, -56.2204

Details

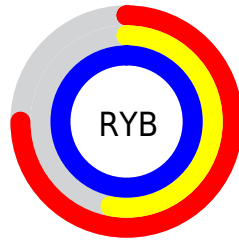
The Yxy color **35.7755, 0.2630, 0.1957** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **85.7020, 0.3448, 0.4596**, and the grayscale version is **37.7740, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0034, 0.3104, 0.2643**, and **15.6425, 0.2472, 0.1662** is the 20% darker color. If you saturate the color by 10%, you get **27.7185, 0.2490, 0.1659**, and if you desaturate by 10%, it is **45.7149, 0.2761, 0.2264**.

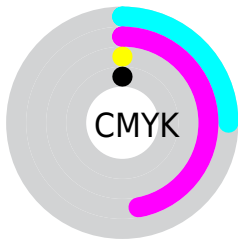
Distribution



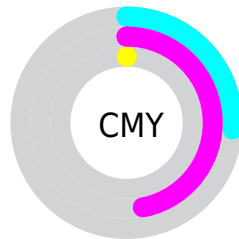
- Red (75%)
- Green (53%)
- Blue (100%)



- Red (75%)
- Yellow (53%)
- Blue (100%)



- Cyan (25%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)



- Cyan (26%)
- Magenta (47%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.7755, 0.2630, 0.1957 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 35.7755, 0.2630, 0.1957 by changing the saturation by 10% instead.


 35.7755, 0.2630,
0.1957


 35.7755, 0.2630,
0.1957


327.9782, 0.2898,
0.2571


 24.2609, 0.2561,
0.1822

 68.6854, 0.2730,
0.2167

 15.5272, 0.2471,
0.1659


 90.8495, 0.2767,
0.2250

 9.1902, 0.2352,
0.1459


 117.3321, 0.2798,
0.2321

 4.8655, 0.2190,
0.1214

148.5178, 0.2824,
0.2384

 2.1686, 0.1959,
0.0914

184.7908, 0.2846,
0.2439

 0.7028, 0.1623,
0.0549


226.5357, 0.2866,

 0.0000, 0.1131,


0.2488


0.0000

274.1367, 0.2883,
0.2532


 0.0000, 0.0000,
0.0000


 35.7755, 0.2630,
0.1957


 35.7755, 0.2630,
0.1957

 27.7185, 0.2490,
0.1659


 45.7149, 0.2761,
0.2264


 21.4118, 0.2345,
0.1386

 57.6480, 0.2880,
0.2566

 16.7123, 0.2203,
0.1155

 71.6823, 0.2984,
0.2855

 13.4513, 0.2070,
0.0977

 87.9160, 0.3074,
0.3124

 11.4174, 0.1953,
0.0860

99.9981, 0.3127,
0.3290

■ 10.9053, 0.1917,
0.0830

Harmonies

Analogous

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



35.7755, 0.1907, 0.1819



35.7755, 0.2630, 0.1957



35.7755, 0.3648, 0.2343

Triad

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



35.7755, 0.2630, 0.1957



35.7755, 0.4924, 0.4288



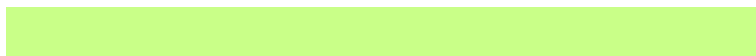
35.7755, 0.1763, 0.3458

Complementary

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



35.7755, 0.2630, 0.1957



85.7020, 0.3448, 0.4596

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.



35.7755, 0.2430, 0.4618



35.7755, 0.2630, 0.1957



35.7755, 0.4248, 0.4944

Square

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



35.7755, 0.2630, 0.1957



35.7755, 0.5118, 0.3579



35.7755, 0.3343, 0.5203



35.7755, 0.1475, 0.2489

Rectangle

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



35.7755, 0.2630, 0.1957



35.7755, 0.4343, 0.2709



35.7755, 0.3343, 0.5203



35.7755, 0.1945, 0.3856

Sweetspot

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



35.7769, 0.2630, 0.1957



75.7852, 0.3009, 0.2928



54.4364, 0.2387, 0.2641



15.5067, 0.2989, 0.2869



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.



35.7769, 0.2630, 0.1957



28.1944, 0.2499, 0.1678



44.9783, 0.3129, 0.2135



17.7811, 0.3050, 0.3049



5.7857, 0.1934, 0.0839



0.6272, 0.2059, 0.0908

Inverse Universe

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



43.0892, 0.3692, 0.2626



36.6209, 0.3863, 0.2509



79.0284, 0.3089, 0.4754



18.1532, 0.3208, 0.3161



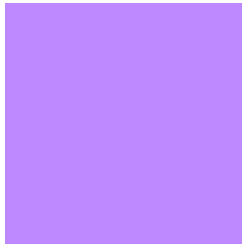
12.1190, 0.4767, 0.2400



1.2020, 0.4540, 0.2275

Previews

White Background



This preview shows how the Yxy color 35.7755, 0.2630, 0.1957 looks on a white background.

Color Contrast Check

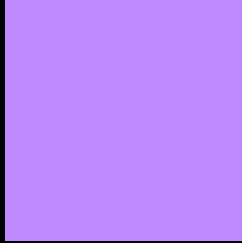
Large Text (above 18pt) WCAG AA × Fail

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 35.7755, 0.2630, 0.1957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

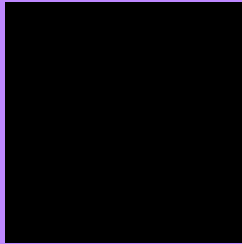
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.7755, 0.2630, 0.1957

Background



This preview shows how black text looks on a background with the Yxy color 35.7755, 0.2630, 0.1957.



This preview shows how white text looks on a background with the Yxy color 35.7755, 0.2630, 0.1957.

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

35.7755, 0.2630, 0.1957

Protanopia

35.9588, 0.2217, 0.2066

Deuteranopia

36.1049, 0.2204, 0.2139



Tritanopia

35.6028, 0.3194, 0.3123

Trichromacy



Original Color

35.7755, 0.2630, 0.1957

Protanomaly

35.3286, 0.2342, 0.2010

Deuteranomaly

35.3244, 0.2330, 0.2051

Tritanomaly

35.3683, 0.2969, 0.2625

Monochromacy



Original Color

35.7755, 0.2630, 0.1957

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

36.6339, 0.2941, 0.2721

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7755, 0.2630, 0.1957 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(190, 136, 255)` looks like.

```
.text, #text, p{  
    color:rgb(190, 136, 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(190, 136, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 136, 255) }
```

Border

The CSS property to change the border of an element to Yxy 35.7755, 0.2630, 0.1957 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(190, 136, 255) }
```

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

```
.border{ border-color:rgb(190, 136, 255) }
```

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

Here you see how a box with a 4 pixel rgb(190, 136, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 136, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 136, 255);  
box-shadow:4px 4px 4px 4px rgb(190, 136,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7755, 0.2630, 0.1957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 136, 255) }
```

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

```
.background{ background-color: rgb(190,  
136, 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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