

Converting Colors

$Y_{xy}(35.1353, 0.2751, 0.2007)$

Have a look what the booklet for
Yxy(35.1353, 0.2751, 0.2007)
contains.

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Color

Yxy(35.1621, 0.2756, 0.2012)

Conversions

Conversions Part 1

Format	Color
Hex	C684F6
RGB	198, 132, 246
RGB Percent	78%, 52%, 96%
CMY	0.2237, 0.4822, 0.0353
CMYK	0.20, 0.46, 0.00, 0.04
HSL	275°, 86%, 74%
HSV	275°, 46%, 96%
XYZ	48.1644, 35.1621, 91.4354
YIQ	164.7300, 2.7420, 49.4460

Conversions

Conversions Part 2

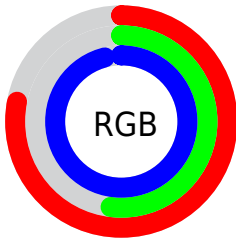
Format	Color
RYB	198, 132, 246
Decimal	13010166
CIELab	65.87, 45.72, -47.53
CIELCh	66, 65.946, 313.889
Yxy	35.1621, 0.2756, 0.2012
Android (android.graphics.Color)	4291200246 (0xFFC684F6)
YUV	164.7300, 40.0661, 29.1778
Hunter-Lab	59.2976, 41.2154, -49.9153

Details

The Yxy color **35.1621, 0.2756, 0.2012** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **77.2898, 0.3350, 0.4626**, and the grayscale version is **37.2956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.5978, 0.3159, 0.2614**, and **15.1622, 0.2631, 0.1719** is the 20% darker color. If you saturate the color by 10%, you get **27.8972, 0.2648, 0.1735**, and if you desaturate by 10%, it is **44.0992, 0.2856, 0.2301**.

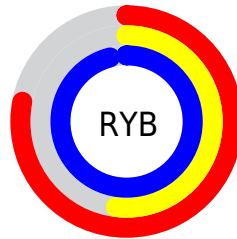
Distribution



Red (78%)

Green (52%)

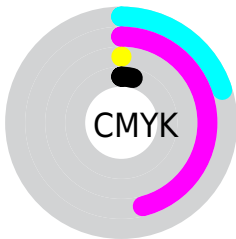
Blue (96%)



Red (78%)

Yellow (52%)

Blue (96%)

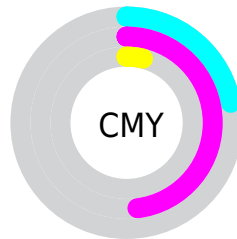


Cyan (20%)

Magenta (46%)

Yellow (0%)

Black (4%)



Cyan (22%)


Magenta (48%)


Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.1621, 0.2756, 0.2012 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 35.1621, 0.2756, 0.2012 by changing the saturation by 10% instead.

 35.1621, 0.2756,
0.2012


 35.1621, 0.2756,
0.2012


325.2833, 0.2963,
0.2605


 23.7878, 0.2700,
0.1880

 67.7368, 0.2835,
0.2216

 15.1763, 0.2627,
0.1719


 89.7060, 0.2864,
0.2296

 8.9432, 0.2527,
0.1522


 115.9756, 0.2887,
0.2365

 4.7041, 0.2388,
0.1276

146.9299, 0.2907,
0.2425

 2.0747, 0.2182,
0.0970

182.9535, 0.2925,
0.2478

 0.6504, 0.1869,
0.0582

224.4306, 0.2939,

 0.0000, 0.1375,

0.2525

0.0000

271.7458, 0.2952,
0.2567

0.0000, 0.0000,
0.0000

35.1621, 0.2756,
0.2012

35.1621, 0.2756,
0.2012

27.8972, 0.2648,
0.1735

44.0992, 0.2856,
0.2301

22.1861, 0.2534,
0.1483

54.8073, 0.2945,
0.2590

17.9012, 0.2419,
0.1271

67.3826, 0.3023,
0.2869

14.8916, 0.2308,
0.1109

81.9128, 0.3090,
0.3133

12.9698, 0.2204,
0.1000

98.4618, 0.3147,
0.3377

■ 12.4304, 0.2168,
0.0968

■ 99.4337, 0.3179,
0.3376

Harmonies

Analogous

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



35.1621, 0.1997, 0.1842



35.1621, 0.2756, 0.2012



35.1621, 0.3777, 0.2422

Triad

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



35.1621, 0.2756, 0.2012



35.1621, 0.4834, 0.4370



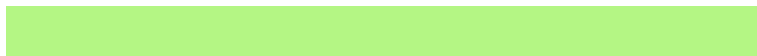
35.1621, 0.1727, 0.3312

Complementary

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



35.1621, 0.2756, 0.2012



77.2898, 0.3350, 0.4626

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.



35.1621, 0.2341, 0.4459



35.1621, 0.2756, 0.2012



35.1621, 0.4129, 0.4985

Square

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



35.1621, 0.2756, 0.2012



35.1621, 0.5095, 0.3670



35.1621, 0.3224, 0.5142



35.1621, 0.1487, 0.2414

Rectangle

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



35.1621, 0.2756, 0.2012



35.1621, 0.4439, 0.2796



35.1621, 0.3224, 0.5142



35.1621, 0.1890, 0.3693

Sweetspot

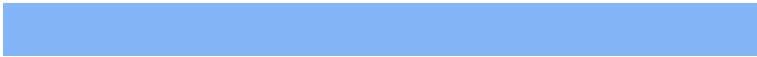
The Sweet Spot groups the original color and five complimentary colors.



35.1635, 0.2756, 0.2012



76.5562, 0.3040, 0.2932



44.7788, 0.2361, 0.2472



15.6944, 0.3024, 0.2873



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.



35.1635, 0.2756, 0.2012



30.4279, 0.2650, 0.1741



42.2997, 0.3247, 0.2224



16.4000, 0.3070, 0.3052



6.7193, 0.2184, 0.0977



0.6510, 0.2308, 0.1045

Inverse Universe

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



39.4015, 0.3842, 0.2777



35.8865, 0.4079, 0.2684



72.7010, 0.3023, 0.4657



16.5984, 0.3227, 0.3191



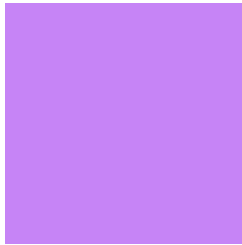
11.0148, 0.5291, 0.2688



0.9882, 0.4969, 0.2511

Previews

White Background



This preview shows how the Yxy color 35.1621, 0.2756, 0.2012 looks on a white background.

Color Contrast Check

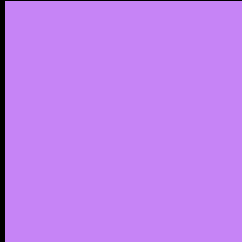
Large Text (above 18pt) WCAG AA × Fail

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 35.1621, 0.2756, 0.2012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

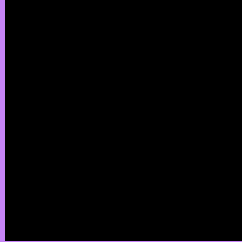
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.1621, 0.2756, 0.2012

Background



This preview shows how black text looks on a background with the Yxy color 35.1621, 0.2756, 0.2012.

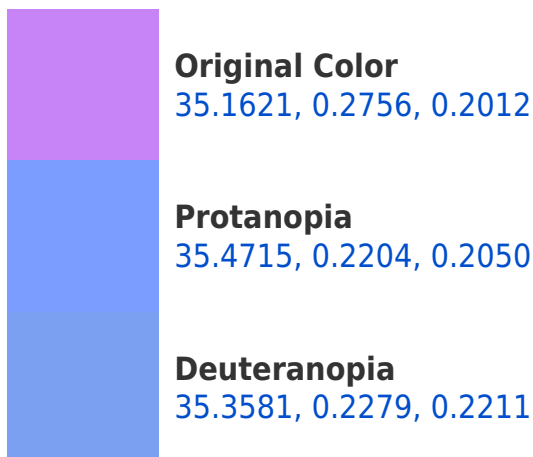


This preview shows how white text looks on a background with the Yxy color 35.1621, 0.2756, 0.2012.

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





Tritanopia

34.9679, 0.3348, 0.3127

Trichromacy



Original Color

35.1621, 0.2756, 0.2012



Protanomaly

34.6921, 0.2367, 0.2016



Deuteranomaly

34.4500, 0.2419, 0.2109



Tritanomaly

34.6156, 0.3117, 0.2659

Monochromacy



Original Color

35.1621, 0.2756, 0.2012



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

36.0246, 0.2992, 0.2746

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1621, 0.2756, 0.2012 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(198, 132, 246)` looks like.

```
.text, #text, p{  
    color:rgb(198, 132, 246)  
}
```

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(198, 132, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 132, 246) }
```

Border

The CSS property to change the border of an element to Yxy 35.1621, 0.2756, 0.2012 is called "border". The border property can be set on classes, ids or directly on the HTML element.

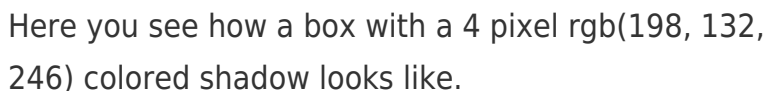
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 132, 246) }
```

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

```
.border{ border-color:rgb(198, 132, 246) }
```

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



Here you see how a box with a 4 pixel `rgb(198, 132, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 132, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 132, 246);  
box-shadow:4px 4px 4px 4px rgb(198, 132,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1621, 0.2756, 0.2012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 132, 246) }
```

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

```
.background{ background-color: rgb(198,  
132, 246) }
```

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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