

Converting Colors

$Y_{xy}(35.8216, 0.2617, 0.2260)$

Have a look what the booklet for
Yxy(35.8216, 0.2617, 0.2260)
contains.

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Color

Yxy(35.8544, 0.2615, 0.2264)

Conversions

Conversions Part 1

Format	Color
Hex	A796E8
RGB	167, 150, 232
RGB Percent	65%, 59%, 91%
CMY	0.3450, 0.4118, 0.0901
CMYK	0.28, 0.35, 0.00, 0.09
HSL	252°, 64%, 75%
HSV	252°, 35%, 91%
XYZ	41.4131, 35.8544, 81.1000
YIQ	164.4310, -16.1900, 29.1060

Conversions

Conversions Part 2

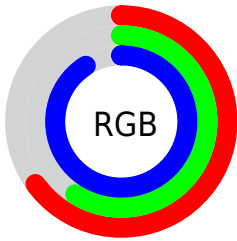
Format	Color
RYB	167, 150, 232
Decimal	10983144
CIELab	66.41, 23.85, -39.21
CIELCh	66, 45.892, 301.307
Yxy	35.8544, 0.2615, 0.2264
Android (android.graphics.Color)	4289173224 (0xFFA796E8)
YUV	164.4310, 33.3115, 2.2530
Hunter-Lab	59.8785, 18.6664, -38.3879

Details

The Yxy color **35.8544, 0.2615, 0.2264** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **74.3768, 0.3531, 0.4209**, and the grayscale version is **37.1861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.2530, 0.2929, 0.2757**, and **15.5690, 0.2458, 0.2002** is the 20% darker color. If you saturate the color by 10%, you get **27.3073, 0.2434, 0.1929**, and if you desaturate by 10%, it is **46.1550, 0.2782, 0.2586**.

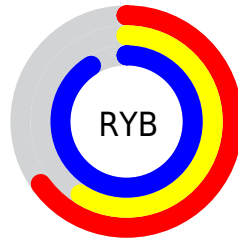
Distribution



Red (65%)

Green (59%)

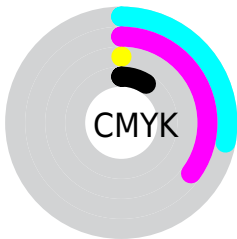
Blue (91%)



Red (65%)

Yellow (59%)

Blue (91%)

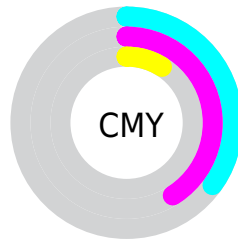


Cyan (28%)

Magenta (35%)

Yellow (0%)

Black (9%)



Cyan (35%)

Magenta (41%)

Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.8544, 0.2615, 0.2264 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 35.8544, 0.2615, 0.2264 by changing the saturation by 10% instead.


 35.8544, 0.2615,
0.2264


 35.8544, 0.2615,
0.2264


328.3237, 0.2883,
0.2759

 24.3218, 0.2546,
0.2148


 68.8073, 0.2714,
0.2439

 15.5725, 0.2457,
0.2003


 90.9963, 0.2751,
0.2506

 9.2221, 0.2337,
0.1820


117.5063, 0.2782,
0.2564

 4.8864, 0.2172,
0.1582

148.7215, 0.2809,
0.2613

 2.1807, 0.1933,
0.1267

185.0265, 0.2831,
0.2657

 0.7095, 0.1570,
0.0839

226.8056, 0.2851,


 0.0000, 0.0632,

0.2695


0.0000


274.4432, 0.2868,
0.2729


 0.0000, 0.0000,
0.0000


 35.8544, 0.2615,
0.2264


 35.8544, 0.2615,
0.2264


 27.3073, 0.2434,
0.1929


 46.1550, 0.2782,
0.2586


 20.4107, 0.2245,
0.1596


 58.2959, 0.2932,
0.2885


 15.0569, 0.2059,
0.1285

 72.3633, 0.3064,
0.3157

 11.1237, 0.1888,
0.1019

 88.4366, 0.3178,
0.3399

 8.4696, 0.1743,
0.0818

 98.6076, 0.3262,
0.3512

■ 6.9227, 0.1634,
0.0691

■ 6.4596, 0.1595,
0.0652

Harmonies

Analogous

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



35.8544, 0.2140, 0.2232



35.8544, 0.2615, 0.2264



35.8544, 0.3288, 0.2506

Triad

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



35.8544, 0.2615, 0.2264



35.8544, 0.4484, 0.3938



35.8544, 0.2290, 0.3649

Complementary

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



35.8544, 0.2615, 0.2264



74.3768, 0.3531, 0.4209

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.



35.8544, 0.2857, 0.4312



35.8544, 0.2615, 0.2264



35.8544, 0.4132, 0.4386

Square

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



35.8544, 0.2615, 0.2264



35.8544, 0.4443, 0.3414



35.8544, 0.3532, 0.4577



35.8544, 0.1966, 0.2938

Rectangle

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



35.8544, 0.2615, 0.2264



35.8544, 0.3766, 0.2763



35.8544, 0.3532, 0.4577



35.8544, 0.2457, 0.3894

Sweetspot

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



35.8558, 0.2615, 0.2264



79.4159, 0.2991, 0.3006



61.2279, 0.2602, 0.3088



16.4998, 0.2973, 0.2968



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.



35.8558, 0.2615, 0.2264



36.9284, 0.2492, 0.2035



40.9639, 0.2952, 0.2356



14.0305, 0.3012, 0.3049



3.6285, 0.1606, 0.0659



0.3074, 0.1742, 0.0733

Inverse Universe

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



43.8773, 0.3319, 0.2579



48.2788, 0.3366, 0.2444



68.9974, 0.3240, 0.4302



14.5613, 0.3169, 0.3106



11.4610, 0.3814, 0.1875



0.8599, 0.3708, 0.1817

Previews

White Background



This preview shows how the Yxy color 35.8544, 0.2615, 0.2264 looks on a white background.

Color Contrast Check

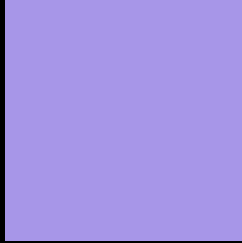
Large Text (above 18pt) WCAG AA × Fail

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 35.8544, 0.2615, 0.2264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

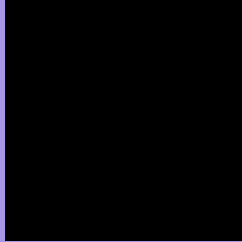
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.8544, 0.2615, 0.2264

Background



This preview shows how black text looks on a background with the Yxy color 35.8544, 0.2615, 0.2264.



This preview shows how white text looks on a background with the Yxy color 35.8544, 0.2615, 0.2264.

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

35.8544, 0.2615, 0.2264

Protanopia

36.0966, 0.2355, 0.2248

Deuteranopia

36.0890, 0.2419, 0.2359



Tritanopia

36.0037, 0.2961, 0.3102

Trichromacy



Original Color

35.8544, 0.2615, 0.2264

Protanomaly

35.9441, 0.2444, 0.2260

Deuteranomaly

35.7495, 0.2481, 0.2313

Tritanomaly

35.9128, 0.2826, 0.2766

Monochromacy



Original Color

35.8544, 0.2615, 0.2264

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

36.4697, 0.2926, 0.2876

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8544, 0.2615, 0.2264 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(167, 150, 232)` looks like.

```
.text, #text, p{  
    color:rgb(167, 150, 232)  
}
```

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(167, 150, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 150, 232) }
```

Border

The CSS property to change the border of an element to Yxy 35.8544, 0.2615, 0.2264 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(167, 150, 232) }
```

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

```
.border{ border-color:rgb(167, 150, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 150, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 150, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 150, 232);  
box-shadow:4px 4px 4px 4px rgb(167, 150,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8544, 0.2615, 0.2264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 150, 232) }
```

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

```
.background{ background-color: rgb(167,  
150, 232) }
```

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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