

Converting Colors

$Y_{xy}(35.5342, 0.2245, 0.2175)$

Have a look what the booklet for
Yxy(35.5342, 0.2245, 0.2175)
contains.

Yxy(35.3819, 0.2243, 0.2167)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(35.3819, 0.2243, 0.2167)

Conversions

Conversions Part 1

Format	Color
Hex	789FF5
RGB	120, 159, 245
RGB Percent	47%, 62%, 96%
CMY	0.5294, 0.3764, 0.0393
CMYK	0.51, 0.35, 0.00, 0.04
HSL	221°, 86%, 72%
HSV	221°, 51%, 96%
XYZ	36.6228, 35.3819, 91.2713
YIQ	157.1430, -50.8500, 18.4780

Conversions

Conversions Part 2

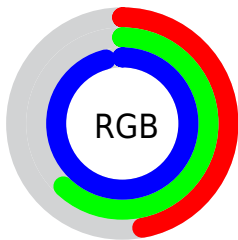
Format	Color
R _Y B	120, 150, 245
Decimal	7905269
CIE Lab	66.04, 10.20, -47.12
CIE LCh	66, 48.210, 282.209
Yxy	35.3819, 0.2243, 0.2167
Android (android.graphics.Color)	4286095349 (0xFF789FF5)
YUV	157.1430, 43.3135, -32.5744
Hunter-Lab	59.4827, 5.8057, -49.3377

Details

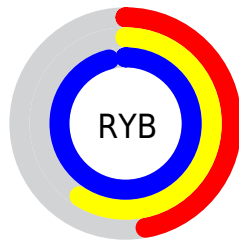
The Yxy color **35.3819, 0.2243, 0.2167** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **64.8985, 0.4072, 0.4188**, and the grayscale version is **33.6041, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2735, 0.2637, 0.2815**, and **15.2858, 0.2000, 0.1882** is the 20% darker color. If you saturate the color by 10%, you get **28.4431, 0.2068, 0.1901**, and if you desaturate by 10%, it is **43.5614, 0.2426, 0.2425**.

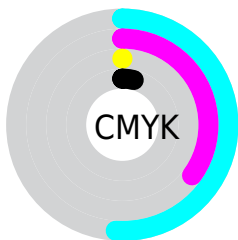
Distribution



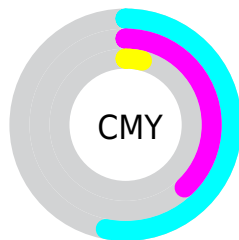
- Red (47%)
- Green (62%)
- Blue (96%)



- Red (47%)
- Yellow (59%)
- Blue (96%)



- Cyan (51%)
- Magenta (35%)
- Yellow (0%)
- Black (4%)





- Cyan (53%)
- Magenta (38%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3819, 0.2243, 0.2167 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 35.3819, 0.2243, 0.2167 by changing the saturation by 10% instead.


 35.3819, 0.2243,
0.2167


 35.3819, 0.2243,
0.2167


326.2508, 0.2687,
0.2714


 23.9572, 0.2135,
0.2039


 68.0770, 0.2403,
0.2360

 15.3019, 0.2000,
0.1880


 90.1161, 0.2464,
0.2434

 9.0315, 0.1826,
0.1681


 116.4622, 0.2515,
0.2498

 4.7618, 0.1598,
0.1426

147.4997, 0.2559,
0.2553

 2.1082, 0.1293,
0.1099

183.6129, 0.2598,
0.2601

 0.6692, 0.0890,
0.0672

225.1862, 0.2631,

 0.0000, 0.0000,

0.2643

0.0000

272.6041, 0.2661,
0.2681

■ 35.3819, 0.2243,
0.2167

■ 35.3819, 0.2243,
0.2167

■ 28.4431, 0.2068,
0.1901

■ 43.5614, 0.2426,
0.2425

■ 22.6747, 0.1910,
0.1637

■ 53.0392, 0.2608,
0.2668

■ 18.0039, 0.1777,
0.1388

■ 63.8732, 0.2786,
0.2892

■ 14.3464, 0.1675,
0.1166

■ 76.1166, 0.2955,
0.3094

■ 11.8231, 0.1610,
0.0997

■ 89.8198, 0.3112,
0.3273

99.3715, 0.3185,
0.3386

Harmonies

Analogous

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



35.3819, 0.1916, 0.2290



35.3819, 0.2243, 0.2167



35.3819, 0.2826, 0.2286

Triad

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



35.3819, 0.2243, 0.2167



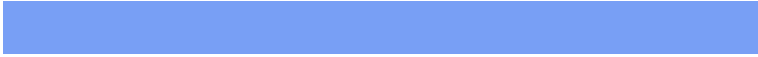
35.3819, 0.4583, 0.3613



35.3819, 0.2600, 0.4151

Complementary

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



35.3819, 0.2243, 0.2167



64.8985, 0.4072, 0.4188

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.



35.3819, 0.3287, 0.4614



35.3819, 0.2243, 0.2167



35.3819, 0.4458, 0.4150

Square

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



35.3819, 0.2243, 0.2167



35.3819, 0.4252, 0.3074



35.3819, 0.3969, 0.4559



35.3819, 0.2091, 0.3378

Rectangle

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



35.3819, 0.2243, 0.2167



35.3819, 0.3317, 0.2480



35.3819, 0.3969, 0.4559



35.3819, 0.2817, 0.4359

Sweetspot

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



35.3831, 0.2243, 0.2167



77.7989, 0.2888, 0.3015



73.7154, 0.2643, 0.3786



16.0464, 0.2853, 0.2973



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.



35.3831, 0.2243, 0.2167



31.0758, 0.2066, 0.1898



25.8572, 0.2302, 0.1725



16.7704, 0.2980, 0.3122



6.5870, 0.1618, 0.1025



0.7547, 0.1686, 0.1271

Inverse Universe

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



35.3464, 0.4118, 0.2875



32.4071, 0.4440, 0.2816



82.1915, 0.3707, 0.4604



16.5677, 0.3244, 0.3216



10.7643, 0.5721, 0.2925



0.9638, 0.5367, 0.2730

Previews

White Background



This preview shows how the Yxy color 35.3819, 0.2243, 0.2167 looks on a white background.

Color Contrast Check

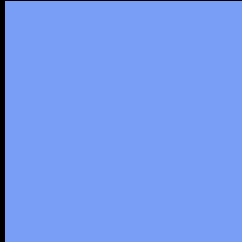
Large Text (above 18pt) WCAG AA × Fail

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 35.3819, 0.2243, 0.2167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

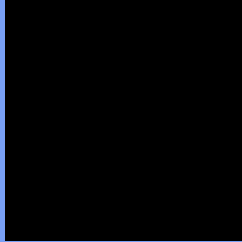
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

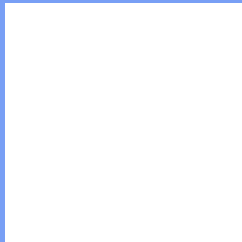
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.3819, 0.2243, 0.2167

Background



This preview shows how black text looks on a background with the Yxy color 35.3819, 0.2243, 0.2167.



This preview shows how white text looks on a background with the Yxy color 35.3819, 0.2243, 0.2167.

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

35.3819, 0.2243, 0.2167

Protanopia

35.2521, 0.2299, 0.2174

Deuteranopia

35.2404, 0.2232, 0.2164



Tritanopia

35.3379, 0.2482, 0.3069

Trichromacy



Original Color

35.3819, 0.2243, 0.2167

Protanomaly

35.4210, 0.2279, 0.2172

Deuteranomaly

35.3108, 0.2237, 0.2165

Tritanomaly

35.2682, 0.2385, 0.2700

Monochromacy



Original Color

35.3819, 0.2243, 0.2167

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.0571, 0.2744, 0.2839

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3819, 0.2243, 0.2167 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(120, 159, 245)` looks like.

```
.text, #text, p{  
    color:rgb(120, 159, 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(120, 159, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 159, 245) }
```

Border

The CSS property to change the border of an element to Yxy 35.3819, 0.2243, 0.2167 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(120, 159, 245) }
```

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

```
.border{ border-color:rgb(120, 159, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 159, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 159, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 159, 245);  
box-shadow:4px 4px 4px 4px rgb(120, 159,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3819, 0.2243, 0.2167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 159, 245) }
```

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

```
.background{ background-color: rgb(120,  
159, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor