

Converting Colors

$Y_{xy}(25.3766, 0.1907, 0.1665)$

Have a look what the booklet for
Yxy(25.3766, 0.1907, 0.1665)
contains.

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Color

Yxy(25.3347, 0.1906, 0.1663)

Conversions

Conversions Part 1

Format	Color
Hex	4785FF
RGB	71, 133, 255
RGB Percent	28%, 52%, 100%
CMY	0.7215, 0.4784, 0.0000
CMYK	0.72, 0.48, 0.00, 0.00
HSL	220°, 100%, 64%
HSV	220°, 72%, 100%
XYZ	29.0366, 25.3347, 97.9720
YIQ	128.3700, -76.1140, 24.7980

Conversions

Conversions Part 2

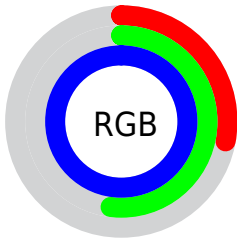
Format	Color
R _Y B	71, 117, 255
Decimal	4687359
CIE Lab	57.40, 20.37, -66.53
CIE LCh	57, 69.579, 287.022
Yxy	25.3347, 0.1906, 0.1663
Android (android.graphics.Color)	4282877439 (0xFF4785FF)
YUV	128.3700, 62.4286, -50.3135
Hunter-Lab	50.3336, 14.8900, -80.1717

Details

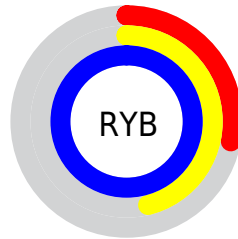
The Yxy color **25.3347, 0.1906, 0.1663** is a light color, and the websafe version is hex **6699FF**. The color can be described as light washed azure. A complement of this color would be **59.8595, 0.4532, 0.4415**, and the grayscale version is **21.5216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.9133, 0.2372, 0.2448**, and **10.3719, 0.1704, 0.1334** is the 20% darker color. If you saturate the color by 10%, you get **20.3014, 0.1778, 0.1421**, and if you desaturate by 10%, it is **31.5181, 0.2059, 0.1919**.

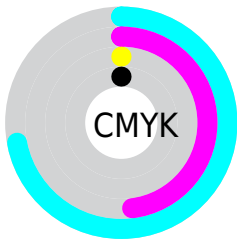
Distribution



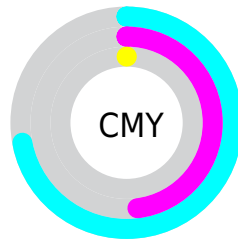
- Red (28%)
- Green (52%)
- Blue (100%)



- Red (28%)
- Yellow (46%)
- Blue (100%)



- Cyan (72%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)



- Cyan (72%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.3347, 0.1906, 0.1663 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 25.3347, 0.1906, 0.1663 by changing the saturation by 10% instead.


 25.3347, 0.1906,
0.1663


 25.3347, 0.1906,
0.1663


279.5007, 0.2530,
0.2444

 16.3266, 0.1757,
0.1490


 52.1997, 0.2130,
0.1932


 9.7556, 0.1573,
0.1283


 70.8254, 0.2215,
0.2038

 5.2372, 0.1345,
0.1038


 93.4257, 0.2288,
0.2130

 2.3871, 0.1062,
0.0751

 120.3850, 0.2350,
0.2209

 0.8192, 0.0721,
0.0436

152.0878, 0.2404,
0.2279

 0.0000, 0.0223,
0.0000

188.9184, 0.2452,

 0.0000, 0.0000,

0.2340

0.0000

231.2612, 0.2493,
0.2395

■ 25.3347, 0.1906,
0.1663

■ 25.3347, 0.1906,
0.1663

■ 20.3014, 0.1778,
0.1421

■ 31.5181, 0.2059,
0.1919

■ 16.3272, 0.1681,
0.1203

■ 38.9288, 0.2229,
0.2177

■ 13.8620, 0.1627,
0.1055

■ 47.6374, 0.2409,
0.2428

■ 57.7083, 0.2590,
0.2664

■ 69.2012, 0.2767,
0.2882

■ 82.1718, 0.2936,
0.3079

■ 96.6730, 0.3095,
0.3255

■ 100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



25.3347, 0.1417, 0.1736



25.3347, 0.1906, 0.1663



25.3347, 0.2797, 0.1881

Triad

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



25.3347, 0.1906, 0.1663



25.3347, 0.5397, 0.3734



25.3347, 0.2101, 0.4557

Complementary

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



25.3347, 0.1906, 0.1663



59.8595, 0.4532, 0.4415

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.



25.3347, 0.3073, 0.5472



25.3347, 0.1906, 0.1663



25.3347, 0.4976, 0.4530

Square

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



25.3347, 0.1906, 0.1663



25.3347, 0.5063, 0.3005



25.3347, 0.4109, 0.5278



25.3347, 0.1476, 0.3153

Rectangle

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



25.3347, 0.1906, 0.1663



25.3347, 0.3590, 0.2172



25.3347, 0.4109, 0.5278



25.3347, 0.2399, 0.4976

Sweetspot

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



25.3350, 0.1906, 0.1663



69.3882, 0.2769, 0.2885



76.6041, 0.2570, 0.4126



14.1528, 0.2722, 0.2828



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.



25.3350, 0.1906, 0.1663



18.2490, 0.1727, 0.1311



14.3584, 0.1871, 0.1057



18.3778, 0.2979, 0.3128



7.4888, 0.1635, 0.1084



0.9214, 0.1697, 0.1308

Inverse Universe

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



27.4612, 0.4765, 0.2742



23.4365, 0.5280, 0.2781



88.3713, 0.3893, 0.5008



18.0880, 0.3241, 0.3210



11.4840, 0.5633, 0.2877



1.1376, 0.5316, 0.2702

Previews

White Background



This preview shows how the Yxy color 25.3347, 0.1906, 0.1663 looks on a white background.

Color Contrast Check

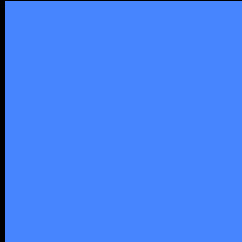
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.3347, 0.1906, 0.1663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

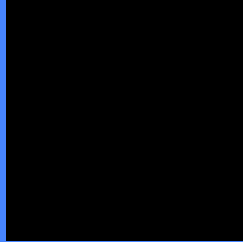
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

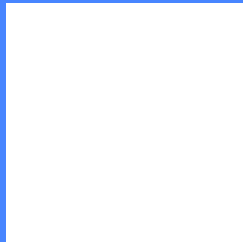
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.3347, 0.1906, 0.1663

Background



This preview shows how black text looks on a background with the Yxy color 25.3347, 0.1906, 0.1663.



This preview shows how white text looks on a background with the Yxy color 25.3347, 0.1906, 0.1663.

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

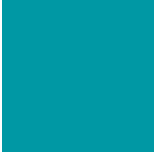
25.3347, 0.1906, 0.1663

Protanopia

25.4115, 0.1913, 0.1666

Deuteranopia

25.4100, 0.1830, 0.1788



Tritanopia

25.1368, 0.2184, 0.3062

Trichromacy



Original Color

25.3347, 0.1906, 0.1663

Protanomaly

25.3728, 0.1909, 0.1664

Deuteranomaly

24.9505, 0.1832, 0.1727

Tritanomaly

24.5016, 0.2031, 0.2412

Monochromacy



Original Color

25.3347, 0.1906, 0.1663

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

22.1471, 0.2492, 0.2545

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.3347, 0.1906, 0.1663 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(71, 133, 255)` looks like.

```
.text, #text, p{  
    color:rgb(71, 133, 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(71, 133, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 133, 255) }
```

Border

The CSS property to change the border of an element to Yxy 25.3347, 0.1906, 0.1663 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(71, 133, 255) }
```

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

```
.border{ border-color:rgb(71, 133, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 133, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 133, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 133, 255);  
box-shadow:4px 4px 4px 4px rgb(71, 133,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 25.3347, 0.1906, 0.1663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 133, 255) }
```

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

```
.background{ background-color: rgb(71, 133,  
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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