

Converting Colors

$Y_{xy}(25.9735, 0.1962, 0.1684)$

Have a look what the booklet for
Yxy(25.9735, 0.1962, 0.1684)
contains.

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Color

Yxy(25.9735, 0.1962, 0.1684)

Conversions

Conversions Part 1

Format	Color
Hex	5685FF
RGB	86, 133, 255
RGB Percent	34%, 52%, 100%
CMY	0.6633, 0.4783, 0.0001
CMYK	0.66, 0.48, 0.00, 0.00
HSL	223°, 100%, 67%
HSV	223°, 66%, 100%
XYZ	30.2613, 25.9735, 98.0021
YIQ	132.8550, -67.1740, 27.9780

Conversions

Conversions Part 2

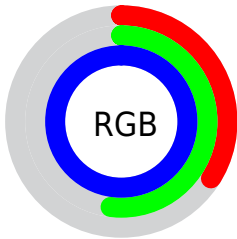
Format	Color
R _Y B	86, 123, 255
Decimal	5670399
CIE _{Lab}	58.01, 22.40, -65.50
CIE _{LCh}	58, 69.221, 288.882
Yxy	25.9735, 0.1962, 0.1684
Android (android.graphics.Color)	4283860479 (0xFF5685FF)
YUV	132.8550, 60.2175, -41.0918
Hunter-Lab	50.9642, 16.8015, -78.3374

Details

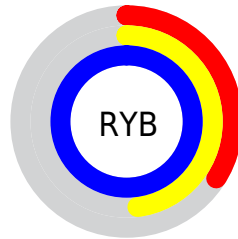
The Yxy color **25.9735, 0.1962, 0.1684** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **66.9372, 0.4343, 0.4445**, and the grayscale version is **23.1859, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.9171, 0.2433, 0.2461**, and **10.3719, 0.1704, 0.1334** is the 20% darker color. If you saturate the color by 10%, you get **20.3718, 0.1813, 0.1419**, and if you desaturate by 10%, it is **32.8890, 0.2133, 0.1961**.

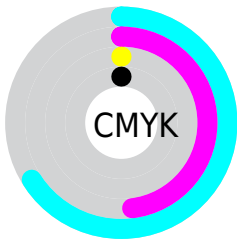
Distribution



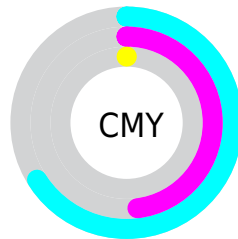
- Red (34%)
- Green (52%)
- Blue (100%)



- Red (34%)
- Yellow (48%)
- Blue (100%)



- Cyan (66%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)





- Cyan (66%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.9735, 0.1962, 0.1684 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 25.9735, 0.1962, 0.1684 by changing the saturation by 10% instead.

 25.9735, 0.1962,
0.1684


 25.9735, 0.1962,
0.1684


282.6520, 0.2559,
0.2452


 16.8038, 0.1818,
0.1514


 53.2322, 0.2177,
0.1949


 10.0947, 0.1640,
0.1310


 72.0900, 0.2259,
0.2053

 5.4618, 0.1418,
0.1067


 94.9459, 0.2328,
0.2143

 2.5207, 0.1139,
0.0782

 122.1845, 0.2388,
0.2221

 0.8870, 0.0797,
0.0466

154.1899, 0.2439,
0.2290

 0.0000, 0.0333,
0.0000

191.3467, 0.2485,

 0.0000, 0.0000,

0.2350

0.0000

234.0393, 0.2524,
0.2404

■ 25.9735, 0.1962,
0.1684

■ 25.9735, 0.1962,
0.1684

■ 20.3718, 0.1813,
0.1419

■ 32.8890, 0.2133,
0.1961

■ 15.9873, 0.1694,
0.1181

■ 41.1999, 0.2317,
0.2237

■ 12.7104, 0.1612,
0.0981

■ 50.9831, 0.2505,
0.2502

■ 11.7407, 0.1589,
0.0918

■ 62.3090, 0.2689,
0.2749

■ 75.2432, 0.2865,
0.2974

■ 89.8474, 0.3030,
0.3175

99.9982, 0.3127,
0.3290

Harmonies

Analogous

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



25.9735, 0.1453, 0.1738



25.9735, 0.1962, 0.1684



25.9735, 0.2870, 0.1917

Triad

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



25.9735, 0.1962, 0.1684



25.9735, 0.5365, 0.3783



25.9735, 0.2064, 0.4454

Complementary

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



25.9735, 0.1962, 0.1684



66.9372, 0.4343, 0.4445

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.



25.9735, 0.3014, 0.5416



25.9735, 0.1962, 0.1684



25.9735, 0.4916, 0.4574

Square

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



25.9735, 0.1962, 0.1684



25.9735, 0.5083, 0.3054



25.9735, 0.4043, 0.5292



25.9735, 0.1470, 0.3081

Rectangle

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



25.9735, 0.1962, 0.1684



25.9735, 0.3662, 0.2216



25.9735, 0.4043, 0.5292



25.9735, 0.2353, 0.4880

Sweetspot

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



25.9743, 0.1962, 0.1684



70.3178, 0.2802, 0.2894



77.9818, 0.2539, 0.3894



14.2735, 0.2752, 0.2831



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.



25.9743, 0.1962, 0.1684



18.6293, 0.1765, 0.1328



18.0254, 0.2046, 0.1252



18.2025, 0.2979, 0.3113



6.3509, 0.1596, 0.0946



0.7929, 0.1656, 0.1161

Inverse Universe

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



29.5822, 0.4704, 0.2853



24.7084, 0.5224, 0.2860



87.1284, 0.3782, 0.4960



18.0704, 0.3250, 0.3224



11.3691, 0.5841, 0.2992



1.1246, 0.5522, 0.2816

Previews

White Background



This preview shows how the Yxy color 25.9735, 0.1962, 0.1684 looks on a white background.

Color Contrast Check

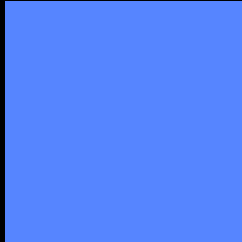
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.9735, 0.1962, 0.1684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

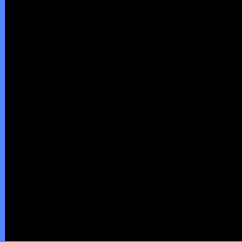
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

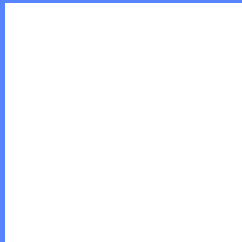
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.9735, 0.1962, 0.1684

Background



This preview shows how black text looks on a background with the Yxy color 25.9735, 0.1962, 0.1684.



This preview shows how white text looks on a background with the Yxy color 25.9735, 0.1962, 0.1684.

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

25.9735, 0.1962, 0.1684

Protanopia

26.1257, 0.1934, 0.1697

Deuteranopia

25.9519, 0.1825, 0.1768



Tritanopia

25.9745, 0.2201, 0.3065

Trichromacy



Original Color

25.9735, 0.1962, 0.1684

Protanomaly

25.9757, 0.1942, 0.1688

Deuteranomaly

25.4965, 0.1836, 0.1719

Tritanomaly

25.1064, 0.2064, 0.2423

Monochromacy



Original Color

25.9735, 0.1962, 0.1684

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.6624, 0.2554, 0.2569

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.9735, 0.1962, 0.1684 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(86, 133, 255)` looks like.

```
.text, #text, p{  
    color:rgb(86, 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(86, 133, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 133, 255) }
```

Border

The CSS property to change the border of an element to Yxy 25.9735, 0.1962, 0.1684 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(86, 133, 255) }
```

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

```
.border{ border-color:rgb(86, 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(86, 133, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 133, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 133, 255);  
box-shadow:4px 4px 4px 4px rgb(86, 133,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 25.9735, 0.1962, 0.1684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 133, 255) }
```

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

```
.background{ background-color: rgb(86, 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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