

Converting Colors

$Y_{xy}(25.5115, 0.2134, 0.1933)$

Have a look what the booklet for
Yxy(25.5115, 0.2134, 0.1933)
contains.

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Color

Yxy(25.5301, 0.2134, 0.1934)

Conversions

Conversions Part 1

Format	Color
Hex	6586E6
RGB	101, 134, 230
RGB Percent	40%, 53%, 90%
CMY	0.6041, 0.4745, 0.0980
CMYK	0.56, 0.42, 0.00, 0.10
HSL	225°, 72%, 65%
HSV	225°, 56%, 90%
XYZ	28.1702, 25.5301, 78.3064
YIQ	135.0770, -50.4840, 22.8600

Conversions

Conversions Part 2

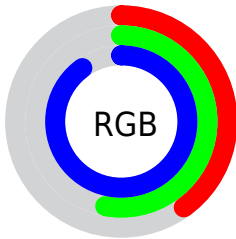
Format	Color
R _Y B	101, 127, 230
Decimal	6653670
CIE Lab	57.59, 16.17, -52.31
CIE LCh	58, 54.755, 287.181
Yxy	25.5301, 0.2134, 0.1934
Android (android.graphics.Color)	4284843750 (0xFF6586E6)
YUV	135.0770, 46.7970, -29.8855
Hunter-Lab	50.5273, 11.0954, -56.5175

Details

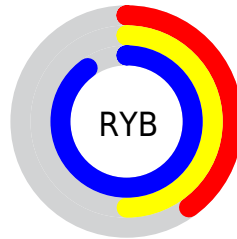
The Yxy color **25.5301, 0.2134, 0.1934** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **57.6660, 0.4126, 0.4331**, and the grayscale version is **24.0929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.2342, 0.2488, 0.2484**, and **9.8763, 0.1836, 0.1574** is the 20% darker color. If you saturate the color by 10%, you get **20.0315, 0.1960, 0.1652**, and if you desaturate by 10%, it is **32.1667, 0.2320, 0.2216**.

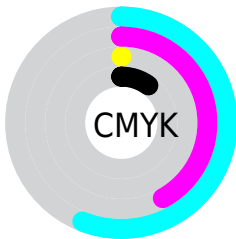
Distribution



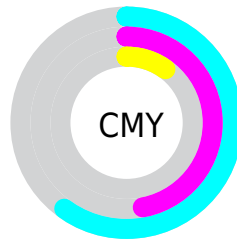
- Red (40%)
- Green (53%)
- Blue (90%)



- Red (40%)
- Yellow (50%)
- Blue (90%)



- Cyan (56%)
- Magenta (42%)
- Yellow (0%)
- Black (10%)





- Cyan (60%)
- Magenta (47%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.5301, 0.2134, 0.1934 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 25.5301, 0.2134, 0.1934 by changing the saturation by 10% instead.


 25.5301, 0.2134,
0.1934


 25.5301, 0.2134,
0.1934


280.4677, 0.2655,
0.2610


 16.4724, 0.2002,
0.1774


 52.5159, 0.2326,
0.2175

 9.8591, 0.1835,
0.1575


 71.2128, 0.2398,
0.2267

 5.3056, 0.1617,
0.1328


 93.8916, 0.2458,
0.2346

 2.4277, 0.1331,
0.1019

 120.9367, 0.2509,
0.2413

 0.8401, 0.0955,
0.0645

152.7325, 0.2553,
0.2472

 0.0000, 0.0233,
0.0000

189.6633, 0.2592,

 0.0000, 0.0000,

0.2524

0.0000

232.1136, 0.2626,
0.2569

■ 25.5301, 0.2134,
0.1934

■ 25.5301, 0.2134,
0.1934

■ 20.0315, 0.1960,
0.1652

■ 32.1667, 0.2320,
0.2216

■ 15.5998, 0.1808,
0.1383

■ 40.0013, 0.2509,
0.2487

■ 12.1589, 0.1687,
0.1143

■ 49.0922, 0.2694,
0.2740


■ 9.6190, 0.1603,
0.0945


■ 59.4934, 0.2870,
0.2970

■ 8.8337, 0.1578,
0.0880

■ 71.2553, 0.3034,
0.3176

 84.4257, 0.3184,
0.3358

 97.7079, 0.3275,
0.3521

 98.4932, 0.3274,
0.3532

Harmonies

Analogous

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



25.5301, 0.1702, 0.2013



25.5301, 0.2134, 0.1934



25.5301, 0.2883, 0.2121

Triad

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



25.5301, 0.2134, 0.1934



25.5301, 0.4959, 0.3741



25.5301, 0.2325, 0.4252

Complementary

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



25.5301, 0.2134, 0.1934



57.6660, 0.4126, 0.4331

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.



25.5301, 0.3139, 0.4957



25.5301, 0.2134, 0.1934



25.5301, 0.4676, 0.4395

Square

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



25.5301, 0.2134, 0.1934



25.5301, 0.4658, 0.3100



25.5301, 0.3995, 0.4918



25.5301, 0.1777, 0.3211

Rectangle

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



25.5301, 0.2134, 0.1934



25.5301, 0.3514, 0.2374



25.5301, 0.3995, 0.4918



25.5301, 0.2576, 0.4559

Sweetspot

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



25.5309, 0.2134, 0.1934



73.8104, 0.2853, 0.2949



63.3249, 0.2581, 0.3751



15.2081, 0.2818, 0.2904



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.



25.5309, 0.2134, 0.1934



24.5299, 0.1939, 0.1616



19.8411, 0.2258, 0.1583



14.4843, 0.2981, 0.3110



5.1676, 0.1585, 0.0905



0.5286, 0.1662, 0.1184

Inverse Universe

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



27.8424, 0.4370, 0.2926



29.1804, 0.4785, 0.2890



69.7971, 0.3700, 0.4744



14.4283, 0.3252, 0.3230



9.7194, 0.5904, 0.3026



0.7330, 0.5490, 0.2798

Previews

White Background



This preview shows how the Yxy color 25.5301, 0.2134, 0.1934 looks on a white background.

Color Contrast Check

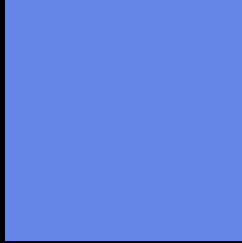
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.5301, 0.2134, 0.1934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

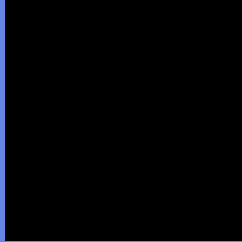
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.5301, 0.2134, 0.1934

Background



This preview shows how black text looks on a background with the Yxy color 25.5301, 0.2134, 0.1934.

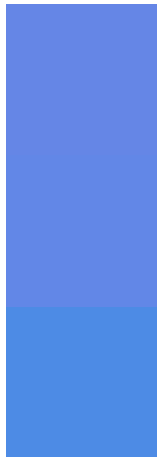


This preview shows how white text looks on a background with the Yxy color 25.5301, 0.2134, 0.1934.

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

25.5301, 0.2134, 0.1934

Protanopia

25.6941, 0.2116, 0.1933

Deuteranopia

25.7002, 0.2036, 0.1979



Tritanopia

25.5239, 0.2407, 0.3071

Trichromacy



Original Color

25.5301, 0.2134, 0.1934

Protanomaly

25.7501, 0.2122, 0.1935

Deuteranomaly

25.5269, 0.2070, 0.1962

Tritanomaly

25.3765, 0.2294, 0.2588

Monochromacy



Original Color

25.5301, 0.2134, 0.1934

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

24.4412, 0.2676, 0.2715

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.5301, 0.2134, 0.1934 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(101, 134, 230)` looks like.

```
.text, #text, p{  
    color:rgb(101, 134, 230)  
}
```

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(101, 134, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 134, 230) }
```

Border

The CSS property to change the border of an element to Yxy 25.5301, 0.2134, 0.1934 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(101, 134, 230) }
```

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

```
.border{ border-color:rgb(101, 134, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 134, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 134, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 134, 230);  
box-shadow:4px 4px 4px 4px rgb(101, 134,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 25.5301, 0.2134, 0.1934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 134, 230) }
```

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

```
.background{ background-color: rgb(101,  
134, 230) }
```

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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