

Converting Colors

$Y_{xy}(25.4448, 0.2015, 0.1838)$

Have a look what the booklet for
Yxy(25.4448, 0.2015, 0.1838)
contains.

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Color

Yxy(25.4448, 0.2015, 0.1838)

Conversions

Conversions Part 1

Format	Color
Hex	5487EF
RGB	84, 135, 239
RGB Percent	33%, 53%, 94%
CMY	0.6708, 0.4705, 0.0628
CMYK	0.65, 0.44, 0.00, 0.06
HSL	220°, 83%, 63%
HSV	220°, 65%, 94%
XYZ	27.8951, 25.4448, 85.0975
YIQ	131.6070, -63.7800, 21.5320

Conversions

Conversions Part 2

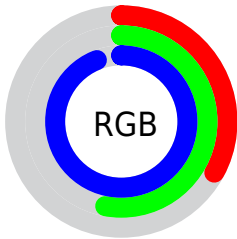
Format	Color
R _Y B	84, 122, 239
Decimal	5539823
CIE Lab	57.51, 15.44, -57.49
CIE LCh	58, 59.527, 285.033
Yxy	25.4448, 0.2015, 0.1838
Android (android.graphics.Color)	4283729903 (0xFF5487EF)
YUV	131.6070, 52.9447, -41.7513
Hunter-Lab	50.4428, 10.4364, -64.7127

Details

The Yxy color **25.4448, 0.2015, 0.1838** 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 **54.9238, 0.4372, 0.4354**, and the grayscale version is **22.7457, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3895, 0.2415, 0.2481**, and **10.0330, 0.1747, 0.1489** is the 20% darker color. If you saturate the color by 10%, you get **20.3840, 0.1867, 0.1583**, and if you desaturate by 10%, it is **31.5565, 0.2182, 0.2098**.

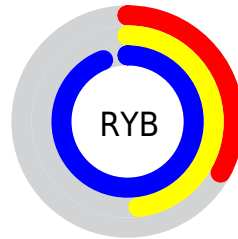
Distribution



Red (33%)

Green (53%)

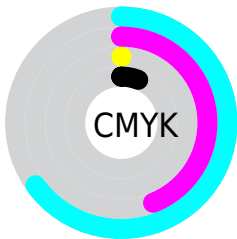
Blue (94%)



Red (33%)

Yellow (48%)

Blue (94%)

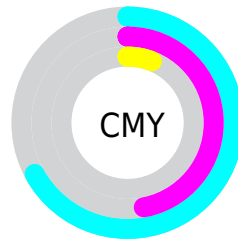


Cyan (65%)

Magenta (44%)

Yellow (0%)

Black (6%)



Cyan (67%)

Magenta (47%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.4448, 0.2015, 0.1838 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 25.4448, 0.2015, 0.1838 by changing the saturation by 10% instead.

■ 25.4448, 0.2015,
0.1838

■ 25.4448, 0.2015,
0.1838

■ 280.0459, 0.2591,
0.2555

■ 16.4088, 0.1873,
0.1672

■ 52.3779, 0.2225,
0.2091

■ 9.8139, 0.1695,
0.1468

■ 71.0438, 0.2304,
0.2189

■ 5.2757, 0.1468,
0.1219

■ 93.6883, 0.2371,
0.2272

■ 2.4099, 0.1179,
0.0914

■ 120.6960, 0.2428,
0.2344

■ 0.8310, 0.0815,
0.0559

■ 152.4512, 0.2477,
0.2407

■ 0.0000, 0.0157,
0.0000

■ 189.3383, 0.2520,

■ 0.0000, 0.0000,

0.2462

0.0000

231.7418, 0.2558,
0.2511

■ 25.4448, 0.2015,
0.1838

■ 25.4448, 0.2015,
0.1838

■ 20.3840, 0.1867,
0.1583

■ 31.5565, 0.2182,
0.2098

■ 16.3015, 0.1746,
0.1346

■ 38.7792, 0.2360,
0.2354

■ 13.1167, 0.1658,
0.1136

■ 47.1708, 0.2542,
0.2596

■ 11.7829, 0.1623,
0.1042

■ 56.7842, 0.2720,
0.2821

■ 67.6687, 0.2892,
0.3026

■ 79.8706, 0.3053,
0.3209

■ 93.4342, 0.3202,
0.3370

■ 99.0117, 0.3220,
0.3444

Harmonies

Analogous

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



25.4448, 0.1585, 0.1936



25.4448, 0.2015, 0.1838



25.4448, 0.2789, 0.2018

Triad

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



25.4448, 0.2015, 0.1838



25.4448, 0.5106, 0.3696



25.4448, 0.2306, 0.4425

Complementary

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



25.4448, 0.2015, 0.1838



54.9238, 0.4372, 0.4354

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.



25.4448, 0.3187, 0.5143



25.4448, 0.2015, 0.1838



25.4448, 0.4820, 0.4399

Square

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



25.4448, 0.2015, 0.1838



25.4448, 0.4743, 0.3026



25.4448, 0.4100, 0.5011



25.4448, 0.1704, 0.3270

Rectangle

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



25.4448, 0.2015, 0.1838



25.4448, 0.3465, 0.2274



25.4448, 0.4100, 0.5011



25.4448, 0.2580, 0.4753

Sweetspot

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



25.4456, 0.2015, 0.1838



72.9334, 0.2821, 0.2943



67.2132, 0.2581, 0.3987



14.8419, 0.2771, 0.2884



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.



25.4456, 0.2015, 0.1838



21.8874, 0.1823, 0.1500



15.8651, 0.2022, 0.1275



16.0791, 0.2980, 0.3127



6.7253, 0.1631, 0.1070



0.7348, 0.1703, 0.1331

Inverse Universe

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



26.4315, 0.4525, 0.2773



25.4936, 0.4993, 0.2759



76.5379, 0.3831, 0.4891



15.8447, 0.3241, 0.3212



10.4723, 0.5655, 0.2889



0.8889, 0.5285, 0.2685

Previews

White Background



This preview shows how the Yxy color 25.4448, 0.2015, 0.1838 looks on a white background.

Color Contrast Check

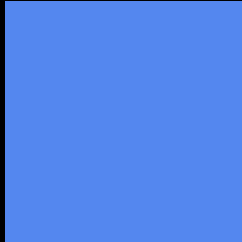
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.4448, 0.2015, 0.1838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

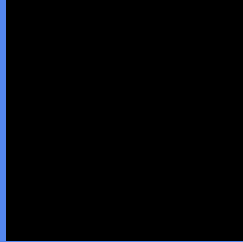
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

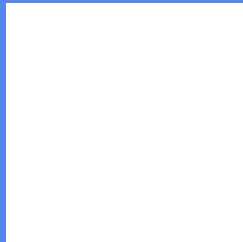
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.4448, 0.2015, 0.1838

Background



This preview shows how black text looks on a background with the Yxy color 25.4448, 0.2015, 0.1838.



This preview shows how white text looks on a background with the Yxy color 25.4448, 0.2015, 0.1838.

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

25.4448, 0.2015, 0.1838

Protanopia

25.4474, 0.2048, 0.1844

Deuteranopia

25.5081, 0.1934, 0.1872



Tritanopia

25.5489, 0.2247, 0.3065

Trichromacy



Original Color

25.4448, 0.2015, 0.1838

Protanomaly

25.2979, 0.2034, 0.1839

Deuteranomaly

25.5433, 0.1962, 0.1867

Tritanomaly

25.1316, 0.2138, 0.2528

Monochromacy



Original Color

25.4448, 0.2015, 0.1838

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

23.3602, 0.2592, 0.2654

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.4448, 0.2015, 0.1838 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(84, 135, 239)` looks like.

```
.text, #text, p{  
    color:rgb(84, 135, 239)  
}
```

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(84, 135, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 135, 239) }
```

Border

The CSS property to change the border of an element to Yxy 25.4448, 0.2015, 0.1838 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(84, 135, 239) }
```

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

```
.border{ border-color:rgb(84, 135, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 135, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 135, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 135, 239);  
box-shadow:4px 4px 4px 4px rgb(84, 135,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 25.4448, 0.2015, 0.1838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 135, 239) }
```

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

```
.background{ background-color: rgb(84, 135,  
239) }
```

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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