

Converting Colors

$Y_{xy}(23.1846, 0.1939, 0.1548)$

Have a look what the booklet for
Yxy(23.1846, 0.1939, 0.1548)
contains.

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Color

Yxy(23.2138, 0.1938, 0.1550)

Conversions

Conversions Part 1

Format	Color
Hex	587AFF
RGB	88, 122, 255
RGB Percent	35%, 48%, 100%
CMY	0.6551, 0.5215, 0.0001
CMYK	0.66, 0.52, 0.00, 0.00
HSL	228°, 100%, 67%
HSV	228°, 66%, 100%
XYZ	29.0247, 23.2138, 97.5279
YIQ	126.9960, -62.9570, 34.1550

Conversions

Conversions Part 2

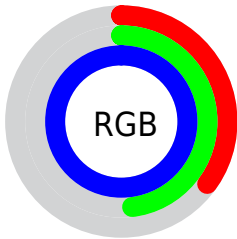
Format	Color
R _Y B	88, 116, 255
Decimal	5798655
CIE Lab	55.29, 29.41, -69.87
CIE LCh	55, 75.811, 292.826
Yxy	23.2138, 0.1938, 0.1550
Android (android.graphics.Color)	4283988735 (0xFF587AFF)
YUV	126.9960, 63.1060, -34.1995
Hunter-Lab	48.1807, 23.2147, -86.2890

Details

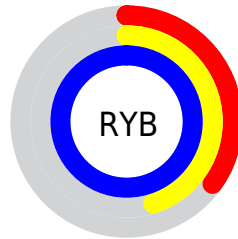
The Yxy color **23.2138, 0.1938, 0.1550** is a light color, and the websafe version is hex **3366FF**. The color can be described as light muted azure. A complement of this color would be **73.6090, 0.4242, 0.4538**, and the grayscale version is **21.0153, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.2644, 0.2422, 0.2314**, and **8.9288, 0.1663, 0.1185** is the 20% darker color. If you saturate the color by 10%, you get **17.7060, 0.1781, 0.1272**, and if you desaturate by 10%, it is **30.1983, 0.2119, 0.1848**.

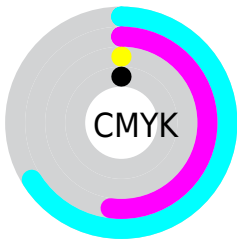
Distribution



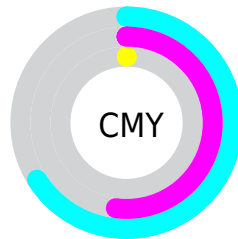
- Red (35%)
- Green (48%)
- Blue (100%)



- Red (35%)
- Yellow (45%)
- Blue (100%)



- Cyan (66%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)





- Cyan (66%)
- Magenta (52%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2138, 0.1938, 0.1550 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 23.2138, 0.1938, 0.1550 by changing the saturation by 10% instead.


 23.2138, 0.1938,
0.1550


 23.2138, 0.1938,
0.1550


268.8212, 0.2557,
0.2376


 14.7515, 0.1788,
0.1371


 48.7441, 0.2162,
0.1832


 8.6451, 0.1602,
0.1159


 66.5809, 0.2247,
0.1944

 4.5105, 0.1370,
0.0911


 88.3113, 0.2319,
0.2041

 1.9630, 0.1082,
0.0630

 114.3197, 0.2380,
0.2125

 0.5858, 0.0735,
0.0318

144.9905, 0.2434,
0.2199

 0.0000, 0.0224,
0.0000

180.7081, 0.2480,

 0.0000, 0.0000,

0.2265

0.0000

221.8569, 0.2521,
0.2323

■ 23.2138, 0.1938,
0.1550

■ 23.2138, 0.1938,
0.1550

■ 17.7060, 0.1781,
0.1272

■ 30.1983, 0.2119,
0.1848

■ 13.5599, 0.1658,
0.1032

■ 38.7578, 0.2313,
0.2149

■ 10.6446, 0.1575,
0.0844

■ 48.9844, 0.2509,
0.2440

■ 9.6758, 0.1550,
0.0778

■ 60.9620, 0.2699,
0.2712

■ 74.7689, 0.2878,
0.2959

■ 90.4785, 0.3043,
0.3180

99.9977, 0.3127,
0.3290

Harmonies

Analogous

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



23.2138, 0.1347, 0.1556



23.2138, 0.1938, 0.1550



23.2138, 0.2991, 0.1837

Triad

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



23.2138, 0.1938, 0.1550



23.2138, 0.5578, 0.3868



23.2138, 0.1807, 0.4414

Complementary

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



23.2138, 0.1938, 0.1550



73.6090, 0.4242, 0.4538

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.



23.2138, 0.2798, 0.5676



23.2138, 0.1938, 0.1550



23.2138, 0.4946, 0.4751

Square

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



23.2138, 0.1938, 0.1550



23.2138, 0.5430, 0.3089



23.2138, 0.3926, 0.5585



23.2138, 0.1249, 0.2848

Rectangle

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



23.2138, 0.1938, 0.1550



23.2138, 0.3906, 0.2178



23.2138, 0.3926, 0.5585



23.2138, 0.2101, 0.4950

Sweetspot

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



23.2145, 0.1938, 0.1550



68.3564, 0.2799, 0.2851



78.6718, 0.2496, 0.3738



13.8104, 0.2748, 0.2781



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.



23.2145, 0.1938, 0.1550



16.1142, 0.1733, 0.1183



19.3610, 0.2139, 0.1312



17.9779, 0.2979, 0.3095



5.2252, 0.1556, 0.0800



0.6554, 0.1609, 0.0993

Inverse Universe

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



29.6292, 0.4849, 0.2979



24.6766, 0.5410, 0.2994



85.5589, 0.3701, 0.4993



18.0477, 0.3262, 0.3242



11.2554, 0.6069, 0.3117



1.1107, 0.5770, 0.2952

Previews

White Background



This preview shows how the Yxy color 23.2138, 0.1938, 0.1550 looks on a white background.

Color Contrast Check

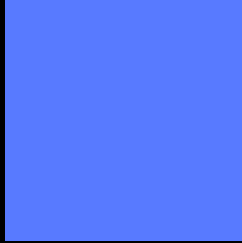
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2138, 0.1938, 0.1550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

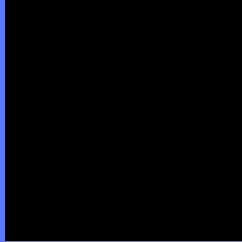
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.2138, 0.1938, 0.1550

Background



This preview shows how black text looks on a background with the Yxy color 23.2138, 0.1938, 0.1550.



This preview shows how white text looks on a background with the Yxy color 23.2138, 0.1938, 0.1550.

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

23.2138, 0.1938, 0.1550

Protanopia

23.2395, 0.1841, 0.1568

Deuteranopia

23.0484, 0.1832, 0.1795



Tritanopia

23.1046, 0.2195, 0.3055

Trichromacy



Original Color

23.2138, 0.1938, 0.1550

Protanomaly

23.1162, 0.1870, 0.1557

Deuteranomaly

22.6831, 0.1831, 0.1688

Tritanomaly

22.1927, 0.2039, 0.2328

Monochromacy



Original Color

23.2138, 0.1938, 0.1550

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.2339, 0.2533, 0.2469

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2138, 0.1938, 0.1550 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(88, 122, 255)` looks like.

```
.text, #text, p{  
    color:rgb(88, 122, 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(88, 122, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 122, 255) }
```

Border

The CSS property to change the border of an element to Yxy 23.2138, 0.1938, 0.1550 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(88, 122, 255) }
```

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

```
.border{ border-color:rgb(88, 122, 255) }
```

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

Here you see how a box with a 4 pixel rgb(88, 122, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 122, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 122, 255);  
box-shadow:4px 4px 4px 4px rgb(88, 122,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2138, 0.1938, 0.1550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 122, 255) }
```

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

```
.background{ background-color: rgb(88, 122,  
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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