

Converting Colors

$Y_{xy}(20.8386, 0.1914, 0.1428)$

Have a look what the booklet for
Yxy(20.8386, 0.1914, 0.1428)
contains.

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Color

Yxy(20.9322, 0.1914, 0.1433)

Conversions

Conversions Part 1

Format	Color
Hex	5970FF
RGB	89, 112, 255
RGB Percent	35%, 44%, 100%
CMY	0.6513, 0.5607, 0.0000
CMYK	0.65, 0.56, 0.00, 0.00
HSL	232°, 100%, 67%
HSV	232°, 65%, 100%
XYZ	27.9583, 20.9322, 97.1821
YIQ	121.4250, -59.6110, 39.5970

Conversions

Conversions Part 2

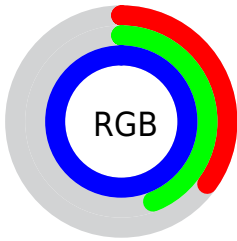
Format	Color
R _Y B	89, 109, 255
Decimal	5861631
CIE Lab	52.88, 35.65, -73.81
CIE LCh	53, 81.971, 295.781
Yxy	20.9322, 0.1914, 0.1433
Android (android.graphics.Color)	4284051711 (0xFF5970FF)
YUV	121.4250, 65.8525, -28.4367
Hunter-Lab	45.7517, 29.0136, -93.9128

Details

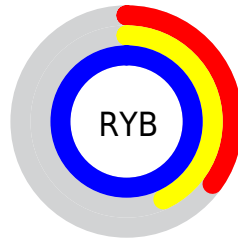
The Yxy color **20.9322, 0.1914, 0.1433** is a light color, and the websafe version is hex **3366FF**. The color can be described as light muted azure. A complement of this color would be **79.6333, 0.4166, 0.4616**, and the grayscale version is **19.0575, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.6409, 0.2409, 0.2192**, and **7.8118, 0.1629, 0.1063** is the 20% darker color. If you saturate the color by 10%, you get **15.6140, 0.1752, 0.1150**, and if you desaturate by 10%, it is **27.8676, 0.2102, 0.1746**.

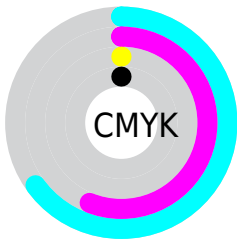
Distribution



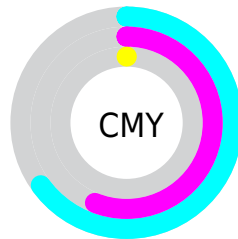
- Red (35%)
- Green (44%)
- Blue (100%)



- Red (35%)
- Yellow (43%)
- Blue (100%)



- Cyan (65%)
- Magenta (56%)
- Yellow (0%)
- Black (0%)



- Cyan (65%)
- Magenta (56%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9322, 0.1914, 0.1433 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 20.9322, 0.1914, 0.1433 by changing the saturation by 10% instead.


 20.9322, 0.1914,
0.1433


 20.9322, 0.1914,
0.1433


256.9180, 0.2554,
0.2307


 13.0745, 0.1758,
0.1247


 44.9747, 0.2146,
0.1729

 7.4798, 0.1565,
0.1030


 61.9282, 0.2234,
0.1847

 3.7640, 0.1325,
0.0781


 82.6824, 0.2309,
0.1950

 1.5424, 0.1028,
0.0508

 107.6217, 0.2372,
0.2040

 0.3183, 0.0680,
0.0178

137.1305, 0.2427,
0.2119

 0.0000, 0.0124,
0.0000

171.5933, 0.2475,

 0.0000, 0.0000,

0.2189

0.0000

211.3943, 0.2517,
0.2251

■ 20.9322, 0.1914,
0.1433

■ 20.9322, 0.1914,
0.1433

■ 15.6140, 0.1752,
0.1150

■ 27.8676, 0.2102,
0.1746

■ 11.7785, 0.1628,
0.0917

■ 36.5394, 0.2304,
0.2067

■ 9.2678, 0.1550,
0.0748

■ 47.0554, 0.2506,
0.2380

■ 8.4503, 0.1525,
0.0691

■ 59.5145, 0.2702,
0.2674

■ 74.0084, 0.2883,
0.2941

90.6232, 0.3049,
0.3179

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.



20.9322, 0.1253, 0.1402



20.9322, 0.1914, 0.1433



20.9322, 0.3104, 0.1762

Triad

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



20.9322, 0.1914, 0.1433



20.9322, 0.5744, 0.3919



20.9322, 0.1577, 0.4361

Complementary

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



20.9322, 0.1914, 0.1433



79.6333, 0.4166, 0.4616

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.



20.9322, 0.2590, 0.5931



20.9322, 0.1914, 0.1433



20.9322, 0.4946, 0.4899

Square

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



20.9322, 0.1914, 0.1433



20.9322, 0.5740, 0.3102



20.9322, 0.3794, 0.5860



20.9322, 0.1062, 0.2634

Rectangle

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



20.9322, 0.1914, 0.1433



20.9322, 0.4139, 0.2138



20.9322, 0.3794, 0.5860



20.9322, 0.1870, 0.5008

Sweetspot

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



20.9321, 0.1914, 0.1433



66.6932, 0.2797, 0.2815



79.3576, 0.2452, 0.3592



13.4192, 0.2745, 0.2739



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.



20.9321, 0.1914, 0.1433



14.3688, 0.1712, 0.1077



20.5574, 0.2229, 0.1361



17.7852, 0.2979, 0.3079



4.5386, 0.1530, 0.0708



0.5599, 0.1575, 0.0869

Inverse Universe

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



29.5606, 0.4981, 0.3085



24.7346, 0.5547, 0.3101



84.0925, 0.3623, 0.5032



18.0282, 0.3272, 0.3257



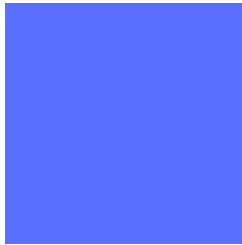
11.1861, 0.6220, 0.3200



1.1011, 0.5960, 0.3057

Previews

White Background



This preview shows how the Yxy color 20.9322, 0.1914, 0.1433 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 20.9322, 0.1914, 0.1433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

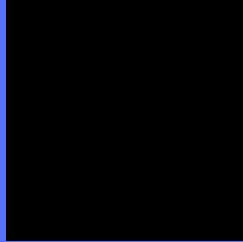
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9322, 0.1914, 0.1433

Background



This preview shows how black text looks on a background with the Yxy color 20.9322, 0.1914, 0.1433.



This preview shows how white text looks on a background with the Yxy color 20.9322, 0.1914, 0.1433.

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

20.9322, 0.1914, 0.1433

Protanopia

21.0542, 0.1755, 0.1466

Deuteranopia

20.7123, 0.1840, 0.1823



Tritanopia

20.6672, 0.2184, 0.3063

Trichromacy



Original Color

20.9322, 0.1914, 0.1433

Protanomaly

20.7577, 0.1786, 0.1445

Deuteranomaly

20.1667, 0.1820, 0.1638

Tritanomaly

19.6384, 0.2000, 0.2242

Monochromacy



Original Color

20.9322, 0.1914, 0.1433

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.1104, 0.2511, 0.2394

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9322, 0.1914, 0.1433 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(89, 112, 255)` looks like.

```
.text, #text, p{  
    color:rgb(89, 112, 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(89, 112, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 112, 255) }
```

Border

The CSS property to change the border of an element to Yxy 20.9322, 0.1914, 0.1433 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(89, 112, 255) }
```

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

```
.border{ border-color:rgb(89, 112, 255) }
```

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

Here you see how a box with a 4 pixel rgb(89, 112, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 112, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 112, 255);  
box-shadow:4px 4px 4px 4px rgb(89, 112,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9322, 0.1914, 0.1433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 112, 255) }
```

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

```
.background{ background-color: rgb(89, 112,  
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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