

Converting Colors

$Y_{xy}(29.0852, 0.1777, 0.1191)$

Have a look what the booklet for
Yxy(29.0852, 0.1777, 0.1191)
contains.

Yxy(23.5596, 0.1950, 0.1565)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(23.5596, 0.1950, 0.1565)

Conversions

Conversions Part 1

Format	Color
Hex	5A7BFF
RGB	90, 123, 255
RGB Percent	35%, 48%, 100%
CMY	0.6468, 0.5177, 0.0000
CMYK	0.65, 0.52, 0.00, 0.00
HSL	228°, 100%, 68%
HSV	228°, 65%, 100%
XYZ	29.3554, 23.5596, 97.6256
YIQ	128.1810, -62.0400, 34.0560

Conversions

Conversions Part 2

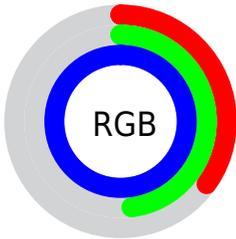
Format	Color
R _Y B	90, 118, 255
Decimal	5929983
CIE Lab	55.64, 29.17, -69.33
CIE LCh	56, 75.216, 292.815
Yxy	23.5596, 0.1950, 0.1565
Android (android.graphics.Color)	4284120063 (0xFF5A7BFF)
YUV	128.1810, 62.5218, -33.4847
Hunter-Lab	48.5382, 23.0130, -85.2740

Details

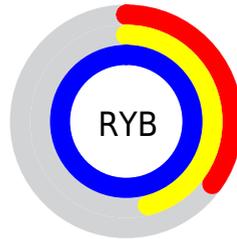
The Yxy color **23.5596, 0.1950, 0.1565** is a light color, and the websafe version is hex **3366FF**. The color can be described as light muted azure. A complement of this color would be **74.2785, 0.4224, 0.4533**, and the grayscale version is **21.4507, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.7500, 0.2430, 0.2328**, and **9.0634, 0.1667, 0.1199** is the 20% darker color. If you saturate the color by 10%, you get **17.9453, 0.1790, 0.1284**, and if you desaturate by 10%, it is **30.6664, 0.2133, 0.1865**.

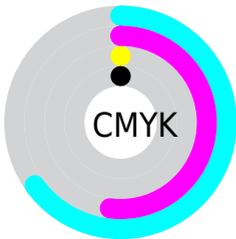
Distribution



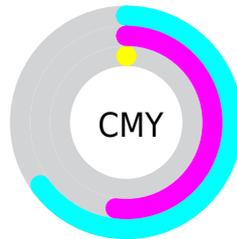
- Red (35%)
- Green (48%)
- Blue (100%)



- Red (35%)
- Yellow (46%)
- Blue (100%)



- Cyan (65%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)



- Cyan (65%)
- Magenta (52%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.5596, 0.1950, 0.1565 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 23.5596, 0.1950, 0.1565 by changing the saturation by 10% instead.

 23.5596, 0.1950,
0.1565

 23.5596, 0.1950,
0.1565

270.5863, 0.2562,
0.2384

 15.0073, 0.1802,
0.1387

 49.3106, 0.2171,
0.1845

 8.8245, 0.1617,
0.1176

 67.2780, 0.2255,
0.1956

 4.6269, 0.1387,
0.0929

 89.1525, 0.2327,
0.2052

 2.0300, 0.1100,
0.0647

 115.3186, 0.2388,
0.2135

 0.6248, 0.0754,
0.0337

146.1607, 0.2440,
0.2209

 0.0000, 0.0254,
0.0000

182.0630, 0.2486,

 0.0000, 0.0000,

0.2274

0.0000

223.4101, 0.2526,
0.2332

■ 23.5596, 0.1950,
0.1565

■ 23.5596, 0.1950,
0.1565

■ 17.9453, 0.1790,
0.1284

■ 30.6664, 0.2133,
0.1865

■ 13.7124, 0.1664,
0.1041

■ 39.3684, 0.2328,
0.2167

■ 10.7290, 0.1578,
0.0850

■ 49.7567, 0.2524,
0.2459

■ 9.5798, 0.1548,
0.0771

■ 61.9157, 0.2714,
0.2730

■ 75.9242, 0.2892,
0.2977

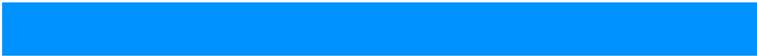
91.8559, 0.3056,
0.3196

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.



23.5596, 0.1362, 0.1572



23.5596, 0.1950, 0.1565



23.5596, 0.2993, 0.1850

Triad

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



23.5596, 0.1950, 0.1565



23.5596, 0.5554, 0.3870



23.5596, 0.1824, 0.4399

Complementary

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



23.5596, 0.1950, 0.1565



74.2785, 0.4224, 0.4533

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.



23.5596, 0.2807, 0.5642



23.5596, 0.1950, 0.1565



23.5596, 0.4935, 0.4745

Square

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



23.5596, 0.1950, 0.1565



23.5596, 0.5402, 0.3096



23.5596, 0.3926, 0.5563



23.5596, 0.1267, 0.2857

Rectangle

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



23.5596, 0.1950, 0.1565



23.5596, 0.3897, 0.2189



23.5596, 0.3926, 0.5563



23.5596, 0.2115, 0.4926

Sweetspot

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



23.5589, 0.1950, 0.1565



69.6467, 0.2817, 0.2874



78.9710, 0.2488, 0.3696



14.0584, 0.2765, 0.2803



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.



23.5589, 0.1950, 0.1565



16.3947, 0.1744, 0.1199



20.0771, 0.2173, 0.1345



17.9648, 0.2979, 0.3094



5.1705, 0.1554, 0.0793



0.6483, 0.1607, 0.0984

Inverse Universe

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



30.0114, 0.4825, 0.2987



24.9391, 0.5382, 0.2998



85.3119, 0.3678, 0.4987



18.0464, 0.3263, 0.3243



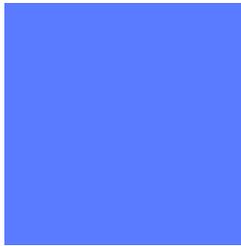
11.2499, 0.6081, 0.3123



1.1100, 0.5783, 0.2960

Previews

White Background



This preview shows how the Yxy color 23.5596, 0.1950, 0.1565 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 23.5596, 0.1950, 0.1565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

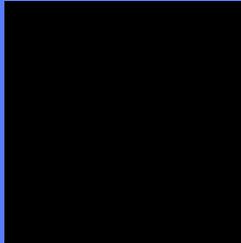
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5596, 0.1950, 0.1565

Background



This preview shows how black text looks on a background with the Yxy color 23.5596, 0.1950, 0.1565.



This preview shows how white text looks on a background with the Yxy color 23.5596, 0.1950, 0.1565.

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

23.5596, 0.1950, 0.1565

Protanopia

23.5881, 0.1852, 0.1584

Deuteranopia

23.4424, 0.1831, 0.1793



Tritanopia

23.5903, 0.2218, 0.3057

Trichromacy



Original Color

23.5596, 0.1950, 0.1565

Protanomaly

23.4438, 0.1880, 0.1572

Deuteranomaly

23.0876, 0.1832, 0.1687

Tritanomaly

22.7250, 0.2067, 0.2338

Monochromacy



Original Color

23.5596, 0.1950, 0.1565

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.5551, 0.2544, 0.2488

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5596, 0.1950, 0.1565 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(90, 123, 255)` looks like.

```
.text, #text, p{  
    color:rgb(90, 123, 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(90, 123, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 123, 255) }
```

Border

The CSS property to change the border of an element to Yxy 23.5596, 0.1950, 0.1565 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(90, 123, 255) }
```

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

```
.border{ border-color:rgb(90, 123, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 123, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 123, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 123, 255);  
box-shadow:4px 4px 4px 4px rgb(90, 123,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 23.5596, 0.1950, 0.1565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 123, 255) }
```

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

```
.background{ background-color: rgb(90, 123,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor