

Converting Colors

$Y_{xy}(29.4619, 0.1950, 0.1851)$

Have a look what the booklet for
Yxy(29.4619, 0.1950, 0.1851)
contains.

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Color

Yxy(29.3895, 0.1950, 0.1848)

Conversions

Conversions Part 1

Format	Color
Hex	4693FF
RGB	70, 147, 255
RGB Percent	27%, 58%, 100%
CMY	0.7251, 0.4235, 0.0001
CMYK	0.73, 0.42, 0.00, 0.00
HSL	215°, 100%, 64%
HSV	215°, 73%, 100%
XYZ	31.0116, 29.3895, 98.6329
YIQ	136.2890, -80.5600, 17.2640

Conversions

Conversions Part 2

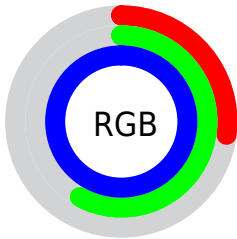
Format	Color
R_{YB}	70, 124, 255
Decimal	4625407
CIE _{Lab}	61.12, 11.79, -60.54
CIE _{LCh}	61, 61.681, 281.016
Yxy	29.3895, 0.1950, 0.1848
Android (android.graphics.Color)	4282815487 (0xFF4693FF)
YUV	136.2890, 58.5245, -58.1355
Hunter-Lab	54.2121, 7.2385, -69.9232

Details

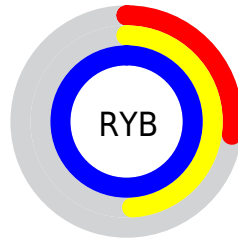
The Yxy color **29.3895, 0.1950, 0.1848** is a light color, and the websafe version is hex **6699FF**. The color can be described as light washed azure. A complement of this color would be **53.5734, 0.4665, 0.4288**, and the grayscale version is **24.5424, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.0175, 0.2398, 0.2625**, and **12.6266, 0.1760, 0.1536** is the 20% darker color. If you saturate the color by 10%, you get **24.2980, 0.1831, 0.1625**, and if you desaturate by 10%, it is **35.4847, 0.2092, 0.2078**.

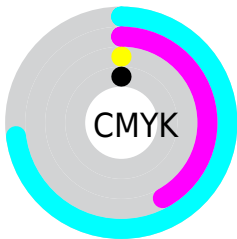
Distribution



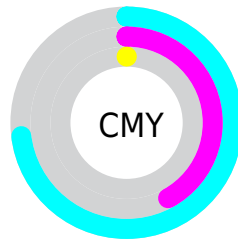
- Red (27%)
- Green (58%)
- Blue (100%)



- Red (27%)
- Yellow (49%)
- Blue (100%)



- Cyan (73%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)





- Cyan (73%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.3895, 0.1950, 0.1848 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 29.3895, 0.1950, 0.1848 by changing the saturation by 10% instead.


 29.3895, 0.1950,
0.1848


 29.3895, 0.1950,
0.1848


299.0483, 0.2541,
0.2546


 19.3757, 0.1810,
0.1689


 58.6954, 0.2161,
0.2091


 11.9420, 0.1638,
0.1498


 78.7562, 0.2241,
0.2186

 6.7042, 0.1423,
0.1264


 102.9348, 0.2310,
0.2268

 3.2778, 0.1153,
0.0980

 131.6155, 0.2369,
0.2338

 1.2784, 0.0822,
0.0648

165.1829, 0.2421,
0.2400

 0.1244, 0.0388,
0.0119

204.0212, 0.2466,

 0.0000, 0.0000,

0.2455

0.0000

248.5149, 0.2505,
0.2503

■ 29.3895, 0.1950,
0.1848

■ 29.3895, 0.1950,
0.1848

■ 24.2980, 0.1831,
0.1625

■ 35.4847, 0.2092,
0.2078

■ 20.1299, 0.1740,
0.1417

■ 42.6480, 0.2251,
0.2306

■ 17.5391, 0.1688,
0.1276

■ 50.9398, 0.2420,
0.2527

■ 60.4149, 0.2593,
0.2734

■ 71.1237, 0.2764,
0.2926

■ 83.1135, 0.2931,
0.3099

■ 96.4288, 0.3089,
0.3254

■ 99.9991, 0.3127,
0.3290

Harmonies

Analogous

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



29.3895, 0.1568, 0.1988



29.3895, 0.1950, 0.1848



29.3895, 0.2672, 0.1992

Triad

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



29.3895, 0.1950, 0.1848



29.3895, 0.5075, 0.3604



29.3895, 0.2423, 0.4547

Complementary

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



29.3895, 0.1950, 0.1848



53.5734, 0.4665, 0.4288

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.



29.3895, 0.3314, 0.5147



29.3895, 0.1950, 0.1848



29.3895, 0.4872, 0.4300

Square

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



29.3895, 0.1950, 0.1848



29.3895, 0.4626, 0.2946



29.3895, 0.4204, 0.4929



29.3895, 0.1778, 0.3419

Rectangle

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



29.3895, 0.1950, 0.1848



29.3895, 0.3322, 0.2226



29.3895, 0.4204, 0.4929



29.3895, 0.2704, 0.4840

Sweetspot

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



29.3904, 0.1950, 0.1848



71.7154, 0.2773, 0.2935



76.0283, 0.2622, 0.4303



14.6979, 0.2727, 0.2885



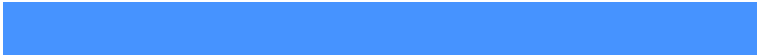
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.3904, 0.1950, 0.1848



22.3211, 0.1786, 0.1530



13.5654, 0.1800, 0.1016



18.6190, 0.2979, 0.3147



9.4440, 0.1696, 0.1306



1.1292, 0.1758, 0.1528

Inverse Universe

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



27.7553, 0.4558, 0.2598



23.8476, 0.4996, 0.2617



90.4054, 0.3981, 0.4954



18.1124, 0.3229, 0.3192



11.6813, 0.5319, 0.2704



1.1585, 0.5023, 0.2541

Previews

White Background



This preview shows how the Yxy color 29.3895, 0.1950, 0.1848 looks on a white background.

Color Contrast Check

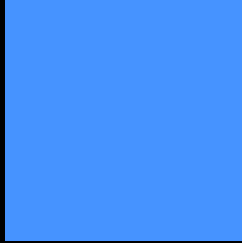
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3895, 0.1950, 0.1848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

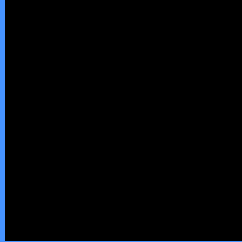
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

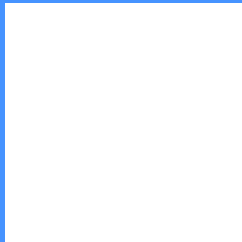
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.3895, 0.1950, 0.1848

Background



This preview shows how black text looks on a background with the Yxy color 29.3895, 0.1950, 0.1848.



This preview shows how white text looks on a background with the Yxy color 29.3895, 0.1950, 0.1848.

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

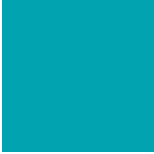
29.3895, 0.1950, 0.1848

Protanopia

29.2626, 0.2064, 0.1866

Deuteranopia

29.3296, 0.1921, 0.1851



Tritanopia

29.2895, 0.2188, 0.3075

Trichromacy



Original Color

29.3895, 0.1950, 0.1848

Protanomaly

29.0495, 0.2015, 0.1854

Deuteranomaly

29.4566, 0.1932, 0.1855

Tritanomaly

28.6802, 0.2058, 0.2528

Monochromacy



Original Color

29.3895, 0.1950, 0.1848

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.4556, 0.2522, 0.2653

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3895, 0.1950, 0.1848 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(70, 147, 255)` looks like.

```
.text, #text, p{  
  color:rgb(70, 147, 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(70, 147, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 147, 255) }
```

Border

The CSS property to change the border of an element to Yxy 29.3895, 0.1950, 0.1848 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(70, 147, 255) }
```

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

```
.border{ border-color:rgb(70, 147, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 147, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 147, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 147, 255);  
box-shadow:4px 4px 4px 4px rgb(70, 147,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3895, 0.1950, 0.1848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 147, 255) }
```

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

```
.background{ background-color: rgb(70, 147,  
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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