

Converting Colors

$Y_{xy}(29.6107, 0.1967, 0.1854)$

Have a look what the booklet for
Yxy(29.6107, 0.1967, 0.1854)
contains.

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Color

Yxy(29.5833, 0.1966, 0.1853)

Conversions

Conversions Part 1

Format	Color
Hex	4B93FF
RGB	75, 147, 255
RGB Percent	29%, 58%, 100%
CMY	0.7059, 0.4235, 0.0000
CMYK	0.71, 0.42, 0.00, 0.00
HSL	216°, 100%, 65%
HSV	216°, 71%, 100%
XYZ	31.3874, 29.5833, 98.6802
YIQ	137.7840, -77.5800, 18.3240

Conversions

Conversions Part 2

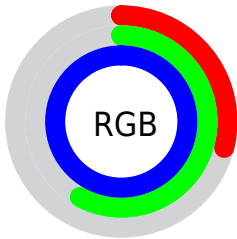
Format	Color
R _Y B	75, 126, 255
Decimal	4953087
CIE Lab	61.29, 12.44, -60.28
CIE LCh	61, 61.554, 281.662
Yxy	29.5833, 0.1966, 0.1853
Android (android.graphics.Color)	4283143167 (0xFF4B93FF)
YUV	137.7840, 57.7875, -55.0616
Hunter-Lab	54.3905, 7.8243, -69.4959

Details

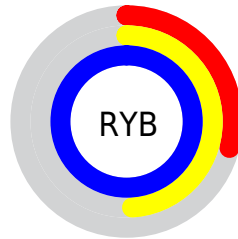
The Yxy color **29.5833, 0.1966, 0.1853** is a light color, and the websafe version is hex **6699FF**. The color can be described as light washed azure. A complement of this color would be **55.6367, 0.4596, 0.4301**, and the grayscale version is **25.1272, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.2793, 0.2413, 0.2627**, and **12.6266, 0.1760, 0.1536** is the 20% darker color. If you saturate the color by 10%, you get **24.3063, 0.1840, 0.1624**, and if you desaturate by 10%, it is **35.9041, 0.2114, 0.2089**.

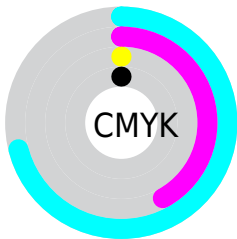
Distribution



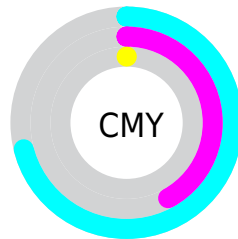
- Red (29%)
- Green (58%)
- Blue (100%)



- Red (29%)
- Yellow (49%)
- Blue (100%)



- Cyan (71%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)





- Cyan (71%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.5833, 0.1966, 0.1853 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 29.5833, 0.1966, 0.1853 by changing the saturation by 10% instead.


 29.5833, 0.1966,
0.1853


 29.5833, 0.1966,
0.1853


299.9573, 0.2549,
0.2548


 19.5225, 0.1828,
0.1695


 59.0026, 0.2174,
0.2095


 12.0484, 0.1657,
0.1504


 79.1298, 0.2254,
0.2190

 6.7767, 0.1444,
0.1272


 103.3814, 0.2321,
0.2271

 3.3228, 0.1176,
0.0989

 132.1416, 0.2380,
0.2341

 1.3025, 0.0845,
0.0658

165.7949, 0.2431,
0.2403

 0.1431, 0.0417,
0.0136

204.7257, 0.2475,

 0.0000, 0.0000,

0.2457

0.0000

249.3184, 0.2514,
0.2505

■ 29.5833, 0.1966,
0.1853

■ 29.5833, 0.1966,
0.1853

■ 24.3063, 0.1840,
0.1624

■ 35.9041, 0.2114,
0.2089

■ 19.9969, 0.1742,
0.1409

■ 43.3374, 0.2278,
0.2323

■ 16.7219, 0.1675,
0.1228

■ 51.9431, 0.2450,
0.2548

■ 61.7768, 0.2624,
0.2758

■ 72.8900, 0.2796,
0.2951

■ 85.3309, 0.2962,
0.3126

99.1451, 0.3118,
0.3281

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.



29.5833, 0.1577, 0.1986



29.5833, 0.1966, 0.1853



29.5833, 0.2693, 0.2002

Triad

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



29.5833, 0.1966, 0.1853



29.5833, 0.5070, 0.3619



29.5833, 0.2409, 0.4519

Complementary

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



29.5833, 0.1966, 0.1853



55.6367, 0.4596, 0.4301

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.



29.5833, 0.3294, 0.5135



29.5833, 0.1966, 0.1853



29.5833, 0.4856, 0.4312

Square

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



29.5833, 0.1966, 0.1853



29.5833, 0.4636, 0.2961



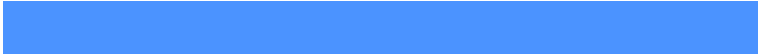
29.5833, 0.4184, 0.4934



29.5833, 0.1773, 0.3395

Rectangle

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



29.5833, 0.1966, 0.1853



29.5833, 0.3344, 0.2239



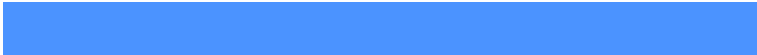
29.5833, 0.4184, 0.4934



29.5833, 0.2688, 0.4816

Sweetspot

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



29.5829, 0.1966, 0.1853



72.4054, 0.2789, 0.2944



76.4349, 0.2612, 0.4230



14.8162, 0.2742, 0.2892



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.



29.5829, 0.1966, 0.1853



22.2905, 0.1793, 0.1527



14.5798, 0.1847, 0.1074



18.5701, 0.2979, 0.3143



9.0102, 0.1683, 0.1258



1.0841, 0.1745, 0.1482

Inverse Universe

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



28.3990, 0.4542, 0.2631



24.1416, 0.4992, 0.2641



90.0326, 0.3949, 0.4941



18.1075, 0.3231, 0.3195



11.6375, 0.5384, 0.2740



1.1540, 0.5083, 0.2574

Previews

White Background



This preview shows how the Yxy color 29.5833, 0.1966, 0.1853 looks on a white background.

Color Contrast Check

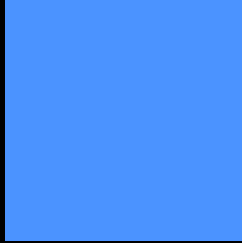
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5833, 0.1966, 0.1853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

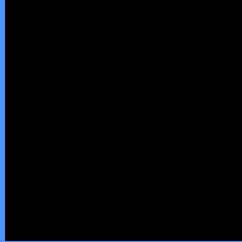
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

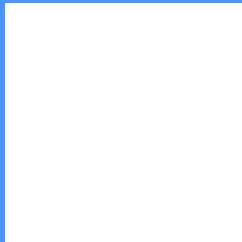
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.5833, 0.1966, 0.1853

Background



This preview shows how black text looks on a background with the Yxy color 29.5833, 0.1966, 0.1853.



This preview shows how white text looks on a background with the Yxy color 29.5833, 0.1966, 0.1853.

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

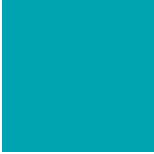
29.5833, 0.1966, 0.1853

Protanopia

29.3825, 0.2065, 0.1859

Deuteranopia

29.7390, 0.1933, 0.1867



Tritanopia

29.3290, 0.2183, 0.3058

Trichromacy



Original Color

29.5833, 0.1966, 0.1853

Protanomaly

29.2625, 0.2024, 0.1850

Deuteranomaly

29.5931, 0.1944, 0.1858

Tritanomaly

28.7547, 0.2058, 0.2515

Monochromacy



Original Color

29.5833, 0.1966, 0.1853

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.0308, 0.2534, 0.2646

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.5833, 0.1966, 0.1853 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(75, 147, 255)` looks like.

```
.text, #text, p{  
  color:rgb(75, 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(75, 147, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 147, 255) }
```

Border

The CSS property to change the border of an element to Yxy 29.5833, 0.1966, 0.1853 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(75, 147, 255) }
```

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

```
.border{ border-color:rgb(75, 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(75, 147, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 147, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 147, 255);  
box-shadow:4px 4px 4px 4px rgb(75, 147,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 29.5833, 0.1966, 0.1853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 147, 255) }
```

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

```
.background{ background-color: rgb(75, 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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