

# Converting Colors

$Yxy(29.6447, 0.1925, 0.1865)$

Have a look what the booklet for  
Yxy(29.6447, 0.1925, 0.1865)  
contains.

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# Color

**Yxy(29.6447, 0.1925, 0.1865)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3B95FF
RGB	59, 149, 255
RGB Percent	23%, 58%, 100%
CMY	0.7687, 0.4157, 0.0000
CMYK	0.77, 0.42, 0.00, 0.00
HSL	212°, 100%, 62%
HSV	212°, 77%, 100%
XYZ	30.5984, 29.6447, 98.7097
YIQ	134.1740, -87.6660, 13.8860

# Conversions

## Conversions Part 2

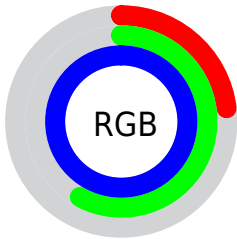
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	59, 121, 255
Decimal	3905023
CIE Lab	61.35, 9.29, -60.21
CIE LCh	61, 60.923, 278.772
Yxy	29.6447, 0.1925, 0.1865
Android (android.graphics.Color)	4282095103 (0xFF3B95FF)
YUV	134.1740, 59.5672, -65.9276
Hunter-Lab	54.4469, 5.0323, -69.3771

# Details

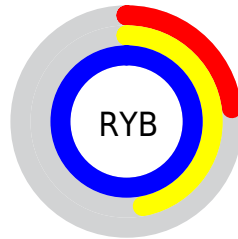
The Yxy color **29.6447, 0.1925, 0.1865** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **48.4723, 0.4844, 0.4233**, and the grayscale version is **23.7074, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.8374, 0.2371, 0.2657**, and **13.0009, 0.1770, 0.1570** is the 20% darker color. If you saturate the color by 10%, you get **24.9398, 0.1822, 0.1659**, and if you desaturate by 10%, it is **35.2478, 0.2052, 0.2078**.

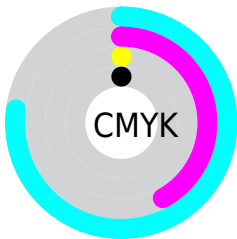
# Distribution



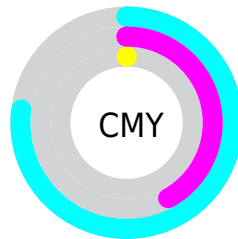
- Red (23%)
- Green (58%)
- Blue (100%)



- Red (23%)
- Yellow (47%)
- Blue (100%)



- Cyan (77%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)




- Cyan (77%)
- Magenta (42%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 29.6447, 0.1925, 0.1865 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 29.6447, 0.1925, 0.1865 by changing the saturation by 10% instead.



 29.6447, 0.1925,  
0.1865


 29.6447, 0.1925,  
0.1865


300.2448, 0.2526,  
0.2557

 19.5691, 0.1784,  
0.1707


 59.0998, 0.2139,  
0.2107

 12.0822, 0.1609,  
0.1516


 79.2481, 0.2220,  
0.2201

 6.7997, 0.1393,  
0.1282


 103.5228, 0.2290,  
0.2282

 3.3371, 0.1123,  
0.0999

 132.3081, 0.2351,  
0.2352

 1.3102, 0.0793,  
0.0665

165.9886, 0.2403,  
0.2413

 0.1491, 0.0352,  
0.0142

204.9486, 0.2449,

 0.0000, 0.0000,

0.2467

0.0000

249.5725, 0.2490,  
0.2515

■ 29.6447, 0.1925,  
0.1865

■ 29.6447, 0.1925,  
0.1865

■ 24.9398, 0.1822,  
0.1659

■ 35.2478, 0.2052,  
0.2078

■ 21.0507, 0.1746,  
0.1468

■ 41.8125, 0.2198,  
0.2291

■ 19.9688, 0.1725,  
0.1411

■ 49.3974, 0.2358,  
0.2499

■ 58.0548, 0.2525,  
0.2696

■ 67.8327, 0.2693,  
0.2878

■ 78.7759, 0.2860,  
0.3046

■ 90.9262, 0.3021,  
0.3196

99.9995, 0.3127,  
0.3290

# Harmonies

## Analogous

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



29.6447, 0.1570, 0.2028



29.6447, 0.1925, 0.1865



29.6447, 0.2615, 0.1988

# Triad

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



29.6447, 0.1925, 0.1865



29.6447, 0.5038, 0.3554



29.6447, 0.2495, 0.4596

# Complementary

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



29.6447, 0.1925, 0.1865



48.4723, 0.4844, 0.4233

# 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.



29.6447, 0.3384, 0.5126



29.6447, 0.1925, 0.1865



29.6447, 0.4885, 0.4241

# Square

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



29.6447, 0.1925, 0.1865



29.6447, 0.4546, 0.2906



29.6447, 0.4254, 0.4871

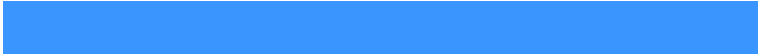


29.6447, 0.1831, 0.3502



# Rectangle

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



29.6447, 0.1925, 0.1865



29.6447, 0.3244, 0.2208



29.6447, 0.4254, 0.4871



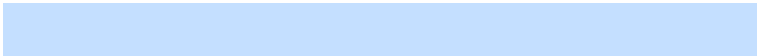
29.6447, 0.2778, 0.4867

# Sweetspot

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



29.6456, 0.1925, 0.1865



71.9317, 0.2758, 0.2945



75.1072, 0.2658, 0.4514



14.5770, 0.2698, 0.2883



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.



29.6456, 0.1925, 0.1865



22.8502, 0.1780, 0.1559



11.4869, 0.1692, 0.0891



18.7524, 0.2979, 0.3158



10.7256, 0.1734, 0.1440



1.2598, 0.1793, 0.1656



# Inverse Universe

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



26.5546, 0.4558, 0.2510



23.3370, 0.4972, 0.2555



91.8709, 0.4073, 0.4961



18.1259, 0.3222, 0.3181



11.8107, 0.5137, 0.2604



1.1717, 0.4861, 0.2452



# Previews

## White Background



This preview shows how the Yxy color 29.6447, 0.1925, 0.1865 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

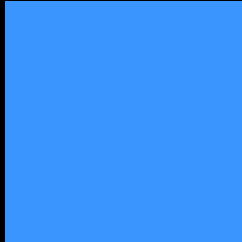
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 29.6447, 0.1925, 0.1865 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

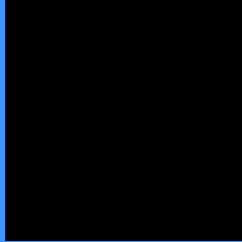
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

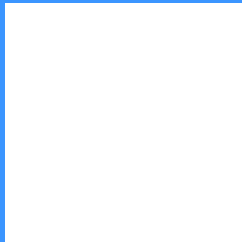
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 29.6447, 0.1925, 0.1865**

## Background



This preview shows how black text looks on a background with the Yxy color 29.6447, 0.1925, 0.1865.



This preview shows how white text looks on a background with the Yxy color 29.6447, 0.1925, 0.1865.

# 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

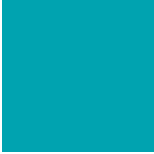
29.6447, 0.1925, 0.1865

### Protanopia

29.6153, 0.2081, 0.1891

### Deuteranopia

29.7070, 0.1930, 0.1867



## Tritanopia

29.3290, 0.2183, 0.3058

# Trichromacy



## Original Color

29.6447, 0.1925, 0.1865

## Protanomaly

29.5645, 0.2013, 0.1878

## Deuteranomaly

29.6756, 0.1928, 0.1866

## Tritanomaly

29.0209, 0.2054, 0.2530

# Monochromacy



## Original Color

29.6447, 0.1925, 0.1865

## Achromatopsia

23.8398, 0.3127, 0.3290

## Achromatomaly

24.8054, 0.2487, 0.2644

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 29.6447, 0.1925, 0.1865 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(59, 149, 255)` looks like.

```
.text, #text, p{  
    color:rgb(59, 149, 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(59, 149, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 149, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 29.6447, 0.1925, 0.1865 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(59, 149, 255) }
```

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

```
.border{ border-color:rgb(59, 149, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 149, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 149, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 149, 255);  
box-shadow:4px 4px 4px 4px rgb(59, 149,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 29.6447, 0.1925, 0.1865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 149, 255) }
```

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

```
.background{ background-color: rgb(59, 149,  
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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