

Converting Colors

$Yxy(29.9394, 0.1904, 0.1883)$

Have a look what the booklet for
Yxy(29.9394, 0.1904, 0.1883)
contains.

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Color

Yxy(29.9576, 0.1904, 0.1884)

Conversions

Conversions Part 1

Format	Color
Hex	2F97FF
RGB	47, 151, 255
RGB Percent	18%, 59%, 100%
CMY	0.8168, 0.4077, 0.0001
CMYK	0.82, 0.41, 0.00, 0.00
HSL	210°, 100%, 59%
HSV	210°, 82%, 100%
XYZ	30.2756, 29.9576, 98.7774
YIQ	131.7600, -95.3680, 10.2960

Conversions

Conversions Part 2

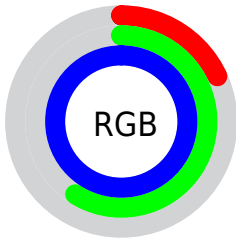
Format	Color
R _Y B	47, 116, 255
Decimal	3119103
CIE Lab	61.62, 6.91, -59.79
CIE LCh	62, 60.185, 276.596
Yxy	29.9576, 0.1904, 0.1884
Android (android.graphics.Color)	4281309183 (0xFF2F97FF)
YUV	131.7600, 60.7573, -74.3345
Hunter-Lab	54.7335, 2.9528, -68.6870

Details

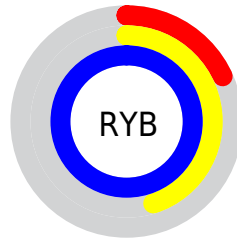
The Yxy color **29.9576, 0.1904, 0.1884** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle washed azure. A complement of this color would be **43.4828, 0.5048, 0.4161**, and the grayscale version is **22.7592, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.2426, 0.2343, 0.2678**, and **13.3846, 0.1779, 0.1604** is the 20% darker color. If you saturate the color by 10%, you get **25.6442, 0.1818, 0.1696**, and if you desaturate by 10%, it is **35.0676, 0.2015, 0.2080**.

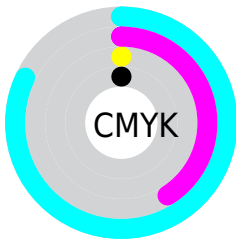
Distribution



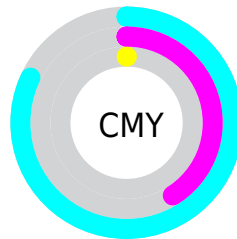
- Red (18%)
- Green (59%)
- Blue (100%)



- Red (18%)
- Yellow (45%)
- Blue (100%)



- Cyan (82%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)




- Cyan (82%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9576, 0.1904, 0.1884 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 29.9576, 0.1904, 0.1884 by changing the saturation by 10% instead.

 29.9576, 0.1904,
0.1884


 29.9576, 0.1904,
0.1884


301.7068, 0.2513,
0.2569


 19.8064, 0.1761,
0.1727


 59.5951, 0.2120,
0.2124


 12.2544, 0.1586,
0.1537

 79.8502, 0.2203,
0.2217

 6.9172, 0.1369,
0.1304


 104.2421, 0.2274,
0.2297

 3.4104, 0.1099,
0.1020

 133.1551, 0.2335,
0.2366

 1.3495, 0.0770,
0.0684

166.9737, 0.2388,
0.2427

 0.1791, 0.0323,
0.0171

206.0823, 0.2435,

 0.0000, 0.0000,

0.2480

0.0000

250.8652, 0.2476,
0.2527

■ 29.9576, 0.1904,
0.1884

■ 29.9576, 0.1904,
0.1884

■ 25.6442, 0.1818,
0.1696

■ 35.0676, 0.2015,
0.2080

■ 22.5832, 0.1763,
0.1548

■ 41.0387, 0.2146,
0.2278

■ 47.9292, 0.2294,
0.2472

■ 55.7902, 0.2453,
0.2658

■ 64.6683, 0.2617,
0.2832

■ 74.6063, 0.2782,
0.2993

■ 85.6443, 0.2945,
0.3138

■ 97.8202, 0.3101,
0.3269

■ 99.9988, 0.3127,
0.3290

Harmonies

Analogous

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



29.9576, 0.1575, 0.2070



29.9576, 0.1904, 0.1884



29.9576, 0.2562, 0.1986

Triad

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



29.9576, 0.1904, 0.1884



29.9576, 0.4996, 0.3507



29.9576, 0.2565, 0.4637

Complementary

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



29.9576, 0.1904, 0.1884



43.4828, 0.5048, 0.4161

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.



29.9576, 0.3450, 0.5101



29.9576, 0.1904, 0.1884



29.9576, 0.4892, 0.4185

Square

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



29.9576, 0.1904, 0.1884



29.9576, 0.4466, 0.2869



29.9576, 0.4298, 0.4814



29.9576, 0.1885, 0.3580

Rectangle

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



29.9576, 0.1904, 0.1884



29.9576, 0.3171, 0.2193



29.9576, 0.4298, 0.4814



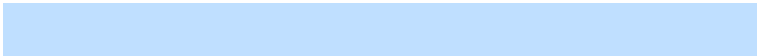
29.9576, 0.2850, 0.4885

Sweetspot

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



29.9585, 0.1904, 0.1884



71.2012, 0.2728, 0.2941



74.2233, 0.2701, 0.4749



14.4932, 0.2669, 0.2884



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.



29.9585, 0.1904, 0.1884



23.2905, 0.1776, 0.1583



10.1126, 0.1616, 0.0803



18.8812, 0.2979, 0.3168



12.1009, 0.1771, 0.1577



1.3967, 0.1828, 0.1782

Inverse Universe

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



25.5013, 0.4554, 0.2428



22.9897, 0.4950, 0.2510



90.7723, 0.4167, 0.4952



18.1389, 0.3215, 0.3172



11.9496, 0.4961, 0.2506



1.1855, 0.4707, 0.2367

Previews

White Background



This preview shows how the Yxy color 29.9576, 0.1904, 0.1884 looks on a white background.

Color Contrast Check

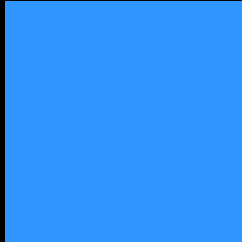
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9576, 0.1904, 0.1884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

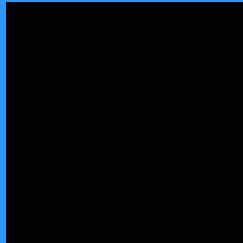
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

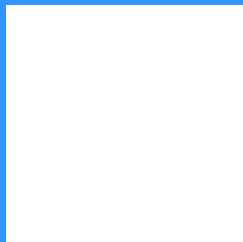
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.9576, 0.1904, 0.1884

Background



This preview shows how black text looks on a background with the Yxy color 29.9576, 0.1904, 0.1884.



This preview shows how white text looks on a background with the Yxy color 29.9576, 0.1904, 0.1884.

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

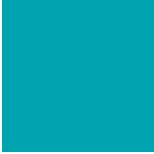
29.9576, 0.1904, 0.1884

Protanopia

29.7291, 0.2099, 0.1904

Deuteranopia

29.8049, 0.1939, 0.1869



Tritanopia

29.6855, 0.2188, 0.3077

Trichromacy



Original Color

29.9576, 0.1904, 0.1884

Protanomaly

29.6715, 0.2008, 0.1897

Deuteranomaly

29.9322, 0.1926, 0.1878

Tritanomaly

29.3232, 0.2054, 0.2547

Monochromacy



Original Color

29.9576, 0.1904, 0.1884

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

24.4063, 0.2448, 0.2651

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9576, 0.1904, 0.1884 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(47, 151, 255)` looks like.

```
.text, #text, p{  
    color:rgb(47, 151, 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(47, 151, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 151, 255) }
```

Border

The CSS property to change the border of an element to Yxy 29.9576, 0.1904, 0.1884 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(47, 151, 255) }
```

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

```
.border{ border-color:rgb(47, 151, 255) }
```

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

Here you see how a box with a 4 pixel rgb(47, 151, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 151, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 151, 255);  
box-shadow:4px 4px 4px 4px rgb(47, 151,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9576, 0.1904, 0.1884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 151, 255) }
```

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

```
.background{ background-color: rgb(47, 151,  
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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