

Converting Colors

$Y_{xy}(29.6256, 0.1898, 0.1729)$

Have a look what the booklet for
Yxy(29.6256, 0.1898, 0.1729)
contains.

Yxy(28.9360, 0.1934, 0.1830)	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(28.9360, 0.1934, 0.1830)

Conversions

Conversions Part 1

Format	Color
Hex	4292FF
RGB	66, 146, 255
RGB Percent	26%, 57%, 100%
CMY	0.7410, 0.4275, 0.0000
CMYK	0.74, 0.43, 0.00, 0.00
HSL	215°, 100%, 63%
HSV	215°, 74%, 100%
XYZ	30.5805, 28.9360, 98.6038
YIQ	134.5060, -82.6690, 16.9390

Conversions

Conversions Part 2

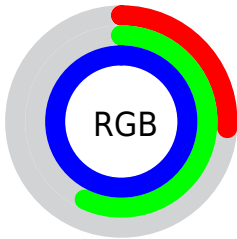
Format	Color
R _{YB}	66, 122, 255
Decimal	4363007
CIE _{Lab}	60.73, 11.90, -61.21
CIE _{LCh}	61, 62.359, 281.004
Yxy	28.9360, 0.1934, 0.1830
Android (android.graphics.Color)	4282553087 (0xFF4292FF)
YUV	134.5060, 59.4035, -60.0798
Hunter-Lab	53.7922, 7.3395, -71.0270

Details

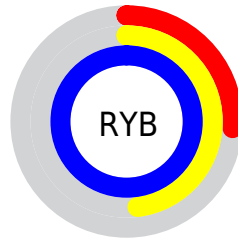
The Yxy color **28.9360, 0.1934, 0.1830** is a light color, and the websafe version is hex **6699FF**. The color can be described as light washed azure. A complement of this color would be **52.3327, 0.4714, 0.4285**, and the grayscale version is **23.8389, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.3011, 0.2381, 0.2609**, and **12.4430, 0.1756, 0.1519** is the 20% darker color. If you saturate the color by 10%, you get **23.9904, 0.1820, 0.1611**, and if you desaturate by 10%, it is **34.8578, 0.2072, 0.2057**.

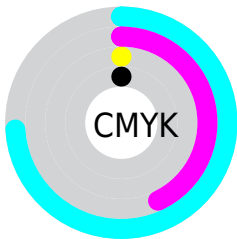
Distribution



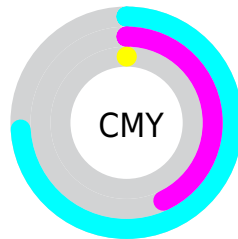
- Red (26%)
- Green (57%)
- Blue (100%)



- Red (26%)
- Yellow (48%)
- Blue (100%)



- Cyan (74%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)





- Cyan (74%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.9360, 0.1934, 0.1830 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 28.9360, 0.1934, 0.1830 by changing the saturation by 10% instead.

 28.9360, 0.1934,
0.1830


 28.9360, 0.1934,
0.1830


296.9129, 0.2533,
0.2537


 19.0324, 0.1792,
0.1670


 57.9754, 0.2147,
0.2076


 11.6937, 0.1618,
0.1476


 77.8800, 0.2229,
0.2172

 6.5355, 0.1400,
0.1240


 101.8870, 0.2299,
0.2255

 3.1733, 0.1129,
0.0956

 130.3809, 0.2359,
0.2327

 1.2229, 0.0797,
0.0624

163.7460, 0.2411,
0.2389

 0.0803, 0.0353,
0.0077

202.3668, 0.2457,

 0.0000, 0.0000,

0.2444

0.0000

246.6276, 0.2497,
0.2493

■ 28.9360, 0.1934,
0.1830

■ 28.9360, 0.1934,
0.1830

■ 23.9904, 0.1820,
0.1611

■ 34.8578, 0.2072,
0.2057

■ 19.9448, 0.1734,
0.1408

■ 41.8259, 0.2228,
0.2284

■ 17.9228, 0.1694,
0.1297

■ 49.8995, 0.2395,
0.2503

■ 59.1329, 0.2566,
0.2710

■ 69.5767, 0.2738,
0.2901

■ 81.2779, 0.2905,
0.3075

■ 94.2807, 0.3064,
0.3231

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.



28.9360, 0.1548, 0.1970



28.9360, 0.1934, 0.1830



28.9360, 0.2664, 0.1976

Triad

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



28.9360, 0.1934, 0.1830



28.9360, 0.5104, 0.3603



28.9360, 0.2410, 0.4571

Complementary

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



28.9360, 0.1934, 0.1830



52.3327, 0.4714, 0.4285

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.



28.9360, 0.3313, 0.5179



28.9360, 0.1934, 0.1830



28.9360, 0.4895, 0.4307

Square

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



28.9360, 0.1934, 0.1830



28.9360, 0.4649, 0.2939



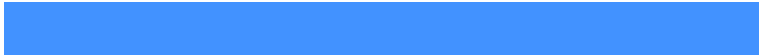
28.9360, 0.4215, 0.4950



28.9360, 0.1759, 0.3420

Rectangle

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



28.9360, 0.1934, 0.1830



28.9360, 0.3323, 0.2212



28.9360, 0.4215, 0.4950



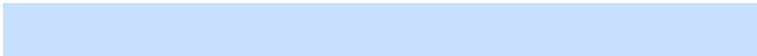
28.9360, 0.2695, 0.4870

Sweetspot

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



28.9351, 0.1934, 0.1830



71.9299, 0.2773, 0.2939



75.7014, 0.2633, 0.4374



14.7483, 0.2727, 0.2890



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.



28.9351, 0.1934, 0.1830



21.9019, 0.1774, 0.1509



12.7680, 0.1760, 0.0969



18.6411, 0.2979, 0.3149



9.6457, 0.1702, 0.1328



1.1500, 0.1764, 0.1549

Inverse Universe

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



27.2363, 0.4585, 0.2581



23.5500, 0.5028, 0.2614



90.8624, 0.4012, 0.4960



18.1146, 0.3227, 0.3190



11.7017, 0.5289, 0.2687



1.1606, 0.4996, 0.2526

Previews

White Background



This preview shows how the Yxy color 28.9360, 0.1934, 0.1830 looks on a white background.

Color Contrast Check

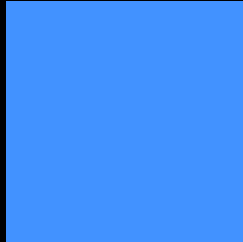
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.9360, 0.1934, 0.1830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

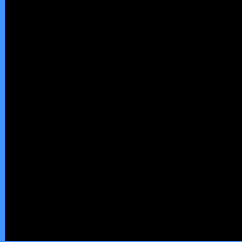
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

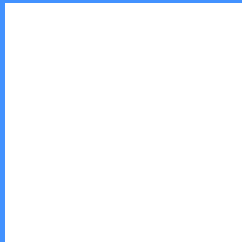
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.9360, 0.1934, 0.1830

Background



This preview shows how black text looks on a background with the Yxy color 28.9360, 0.1934, 0.1830.



This preview shows how white text looks on a background with the Yxy color 28.9360, 0.1934, 0.1830.

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

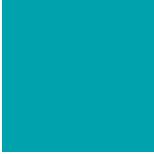
28.9360, 0.1934, 0.1830

Protanopia

28.8524, 0.2052, 0.1849

Deuteranopia

28.8717, 0.1905, 0.1833



Tritanopia

28.8967, 0.2187, 0.3074

Trichromacy



Original Color

28.9360, 0.1934, 0.1830

Protanomaly

28.6516, 0.2004, 0.1838

Deuteranomaly

28.9870, 0.1915, 0.1837

Tritanomaly

28.2829, 0.2056, 0.2524

Monochromacy



Original Color

28.9360, 0.1934, 0.1830

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.0349, 0.2504, 0.2634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9360, 0.1934, 0.1830 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(66, 146, 255)` looks like.

```
.text, #text, p{  
    color:rgb(66, 146, 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(66, 146, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 146, 255) }
```

Border

The CSS property to change the border of an element to Yxy 28.9360, 0.1934, 0.1830 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(66, 146, 255) }
```

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

```
.border{ border-color:rgb(66, 146, 255) }
```

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

Here you see how a box with a 4 pixel rgb(66, 146, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 146, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 146, 255);  
box-shadow:4px 4px 4px 4px rgb(66, 146,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9360, 0.1934, 0.1830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 146, 255) }
```

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

```
.background{ background-color: rgb(66, 146,  
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