

Converting Colors

$Y_{xy}(28.3058, 0.1936, 0.1849)$

Have a look what the booklet for
Yxy(28.3058, 0.1936, 0.1849)
contains.

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Color

Yxy(28.3058, 0.1936, 0.1849)

Conversions

Conversions Part 1

Format	Color
Hex	4091FB
RGB	64, 145, 251
RGB Percent	25%, 57%, 98%
CMY	0.7499, 0.4312, 0.0158
CMYK	0.75, 0.42, 0.00, 0.02
HSL	214°, 96%, 62%
HSV	214°, 75%, 98%
XYZ	29.6377, 28.3058, 95.1436
YIQ	132.8650, -82.3020, 15.7940

Conversions

Conversions Part 2

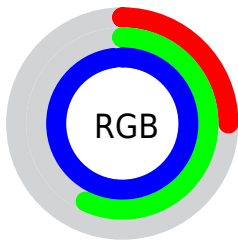
Format	Color
R _{YB}	64, 121, 251
Decimal	4231675
CIE _{Lab}	60.16, 10.76, -59.89
CIE _{LCh}	60, 60.849, 280.188
Yxy	28.3058, 0.1936, 0.1849
Android (android.graphics.Color)	4282421755 (0xFF4091FB)
YUV	132.8650, 58.2406, -60.3946
Hunter-Lab	53.2032, 6.3306, -68.7865

Details

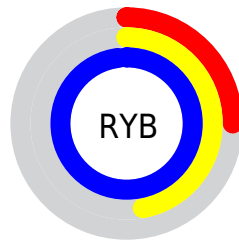
The Yxy color **28.3058, 0.1936, 0.1849** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **49.5186, 0.4742, 0.4268**, and the grayscale version is **23.1925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.6765, 0.2368, 0.2595**, and **12.0795, 0.1761, 0.1538** is the 20% darker color. If you saturate the color by 10%, you get **23.5749, 0.1824, 0.1634**, and if you desaturate by 10%, it is **33.9589, 0.2071, 0.2072**.

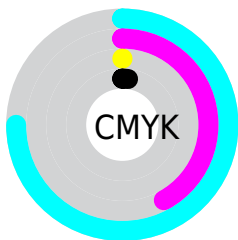
Distribution



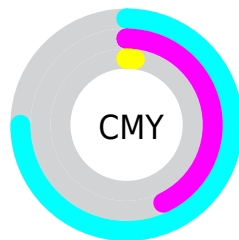
- Red (25%)
- Green (57%)
- Blue (98%)



- Red (25%)
- Yellow (47%)
- Blue (98%)



- Cyan (75%)
- Magenta (42%)
- Yellow (0%)
- Black (2%)




- Cyan (75%)
- Magenta (43%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3058, 0.1936, 0.1849 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 28.3058, 0.1936, 0.1849 by changing the saturation by 10% instead.


 28.3058, 0.1936,
0.1849


 28.3058, 0.1936,
0.1849


293.9253, 0.2537,
0.2552


 18.5563, 0.1793,
0.1688


 56.9723, 0.2151,
0.2095

 11.3501, 0.1617,
0.1493


 76.6581, 0.2233,
0.2191

 6.3028, 0.1396,
0.1254


 100.4248, 0.2303,
0.2273

 3.0301, 0.1120,
0.0965

 128.6567, 0.2363,
0.2344

 1.1475, 0.0782,
0.0626

161.7384, 0.2415,
0.2406

 0.0182, 0.0295,
0.0019

200.0541, 0.2461,

 0.0000, 0.0000,

0.2460

0.0000

243.9882, 0.2501,
0.2509

■ 28.3058, 0.1936,
0.1849

■ 28.3058, 0.1936,
0.1849

■ 23.5749, 0.1824,
0.1634

■ 33.9589, 0.2071,
0.2072

■ 19.6885, 0.1740,
0.1433

■ 40.5956, 0.2225,
0.2294

■ 17.8857, 0.1704,
0.1332

■ 48.2735, 0.2390,
0.2509

■ 57.0443, 0.2560,
0.2713

■ 66.9555, 0.2731,
0.2901

■ 78.0514, 0.2897,
0.3072

■ 90.3741, 0.3057,
0.3225

■ 99.7432, 0.3150,
0.3328

Harmonies

Analogous

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



28.3058, 0.1563, 0.1998



28.3058, 0.1936, 0.1849



28.3058, 0.2648, 0.1985

Triad

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



28.3058, 0.1936, 0.1849



28.3058, 0.5070, 0.3585



28.3058, 0.2446, 0.4572

Complementary

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



28.3058, 0.1936, 0.1849



49.5186, 0.4742, 0.4268

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.



28.3058, 0.3340, 0.5149



28.3058, 0.1936, 0.1849



28.3058, 0.4884, 0.4280

Square

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



28.3058, 0.1936, 0.1849



28.3058, 0.4603, 0.2929



28.3058, 0.4226, 0.4913



28.3058, 0.1792, 0.3450

Rectangle

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



28.3058, 0.1936, 0.1849



28.3058, 0.3293, 0.2215



28.3058, 0.4226, 0.4913



28.3058, 0.2729, 0.4859

Sweetspot

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



28.3067, 0.1936, 0.1849



72.2572, 0.2774, 0.2946



72.8394, 0.2646, 0.4426



14.8251, 0.2728, 0.2898



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.



28.3067, 0.1936, 0.1849



22.1285, 0.1774, 0.1521



12.0283, 0.1739, 0.0951



17.8823, 0.2979, 0.3152



9.6810, 0.1712, 0.1363



1.1031, 0.1776, 0.1593

Inverse Universe

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



26.1920, 0.4566, 0.2560



23.4604, 0.5015, 0.2597



88.1526, 0.4037, 0.4950



17.3503, 0.3226, 0.3187



11.3882, 0.5241, 0.2661



1.0756, 0.4940, 0.2495

Previews

White Background



This preview shows how the Yxy color 28.3058, 0.1936, 0.1849 looks on a white background.

Color Contrast Check

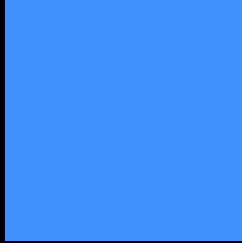
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3058, 0.1936, 0.1849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

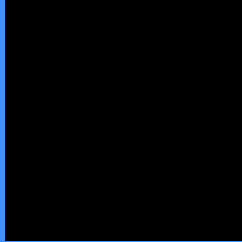
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

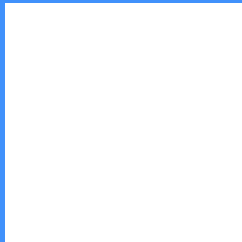
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.3058, 0.1936, 0.1849

Background



This preview shows how black text looks on a background with the Yxy color 28.3058, 0.1936, 0.1849.



This preview shows how white text looks on a background with the Yxy color 28.3058, 0.1936, 0.1849.

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

28.3058, 0.1936, 0.1849

Protanopia

28.0682, 0.2066, 0.1858

Deuteranopia

28.3927, 0.1921, 0.1856

Trichromacy



Original Color

28.3058, 0.1936, 0.1849

Protanomaly

28.1017, 0.2014, 0.1859

Deuteranomaly

28.4526, 0.1926, 0.1858

Monochromacy



Original Color

28.3058, 0.1936, 0.1849

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

24.2141, 0.2504, 0.2640

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3058, 0.1936, 0.1849 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(64, 145, 251)` looks like.

```
.text, #text, p{  
  color:rgb(64, 145, 251)  
}
```

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(64, 145, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 145, 251) }
```

Border

The CSS property to change the border of an element to Yxy 28.3058, 0.1936, 0.1849 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(64, 145, 251) }
```

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

```
.border{ border-color:rgb(64, 145, 251) }
```

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

Here you see how a box with a 4 pixel rgb(64, 145, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 145, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 145, 251);  
box-shadow:4px 4px 4px 4px rgb(64, 145,  
251) }
```

Background

The CSS property to change the background color of an element to Yxy 28.3058, 0.1936, 0.1849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 145, 251) }
```

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

```
.background{ background-color: rgb(64, 145,  
251) }
```

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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