

Converting Colors

$Y_{xy}(28.9066, 0.1852, 0.1846)$

Have a look what the booklet for
Yxy(28.9066, 0.1852, 0.1846)
contains.

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Color

Yxy(28.7860, 0.1851, 0.1841)

Conversions

Conversions Part 1

Format	Color
Hex	0C95FF
RGB	12, 149, 255
RGB Percent	5%, 58%, 100%
CMY	0.9535, 0.4157, 0.0000
CMYK	0.95, 0.42, 0.00, 0.00
HSL	206°, 100%, 52%
HSV	206°, 95%, 100%
XYZ	28.9424, 28.7860, 98.6323
YIQ	120.1210, -115.6780, 3.9220

Conversions

Conversions Part 2

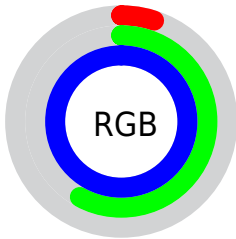
Format	Color
R _Y B	12, 100, 255
Decimal	824831
CIE Lab	60.59, 6.24, -61.46
CIE LCh	61, 61.777, 275.802
Yxy	28.7860, 0.1851, 0.1841
Android (android.graphics.Color)	4279014911 (0xFF0C95FF)
YUV	120.1210, 66.4953, -94.8221
Hunter-Lab	53.6526, 2.3980, -71.4391

Details

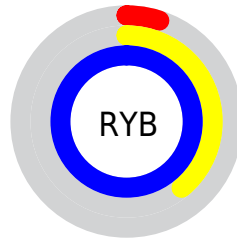
The Yxy color **28.7860, 0.1851, 0.1841** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle saturated azure. A complement of this color would be **34.2093, 0.5528, 0.3959**, and the grayscale version is **18.6165, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.5093, 0.2290, 0.2644**, and **13.0009, 0.1770, 0.1570** is the 20% darker color. If you saturate the color by 10%, you get **27.1107, 0.1824, 0.1767**, and if you desaturate by 10%, it is **32.7967, 0.1921, 0.2006**.

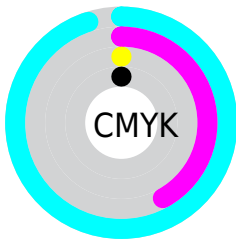
Distribution



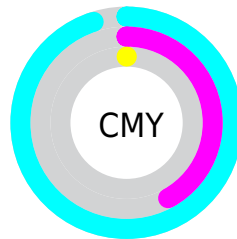
- Red (5%)
- Green (58%)
- Blue (100%)



- Red (5%)
- Yellow (39%)
- Blue (100%)



- Cyan (95%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)





- Cyan (95%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7860, 0.1851, 0.1841 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 28.7860, 0.1851, 0.1841 by changing the saturation by 10% instead.


 28.7860, 0.1851,
0.1841


 28.7860, 0.1851,
0.1841


296.2039, 0.2486,
0.2549

 18.9190, 0.1703,
0.1679


 57.7369, 0.2076,
0.2089

 11.6118, 0.1521,
0.1484


 77.5896, 0.2162,
0.2185


 6.4799, 0.1298,
0.1245


 101.5396, 0.2236,
0.2267

 3.1390, 0.1022,
0.0957

 129.9714, 0.2300,
0.2339

 1.2047, 0.0693,
0.0622

 163.2693, 0.2356,
0.2401

 0.0656, 0.0210,
0.0064

201.8178, 0.2405,

 0.0000, 0.0000,

0.2456

0.0000

246.0012, 0.2448,
0.2505

■ 28.7860, 0.1851,
0.1841

■ 28.7860, 0.1851,
0.1841

■ 27.1107, 0.1824,
0.1767

■ 32.7967, 0.1921,
0.2006

■ 37.4806, 0.2015,
0.2177

■ 42.9060, 0.2130,
0.2349

■ 49.1287, 0.2263,
0.2519

■ 56.1975, 0.2410,
0.2683

■ 64.1563, 0.2566,
0.2838

■ 73.0452, 0.2726,
0.2981

■ 82.9015, 0.2887,
0.3113

■ 93.7600, 0.3045,
0.3232

Harmonies

Analogous

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



28.7860, 0.1524, 0.2037



28.7860, 0.1851, 0.1841



28.7860, 0.2518, 0.1940

Triad

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



28.7860, 0.1851, 0.1841



28.7860, 0.5061, 0.3485



28.7860, 0.2561, 0.4724

Complementary

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



28.7860, 0.1851, 0.1841



34.2093, 0.5528, 0.3959

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.



28.7860, 0.3475, 0.5177



28.7860, 0.1851, 0.1841



28.7860, 0.4961, 0.4181

Square

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



28.7860, 0.1851, 0.1841



28.7860, 0.4496, 0.2835



28.7860, 0.4349, 0.4845



28.7860, 0.1854, 0.3619

Rectangle

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



28.7860, 0.1851, 0.1841



28.7860, 0.3143, 0.2147



28.7860, 0.4349, 0.4845



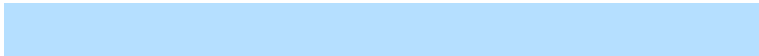
28.7860, 0.2856, 0.4975

Sweetspot

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



28.7868, 0.1851, 0.1841



69.6959, 0.2667, 0.2930



72.8823, 0.2777, 0.5172



14.1130, 0.2599, 0.2869



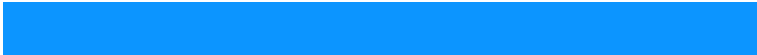
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.7868, 0.1851, 0.1841



27.1122, 0.1824, 0.1767



8.1302, 0.1527, 0.0667



19.0779, 0.2979, 0.3184



14.4694, 0.1832, 0.1793



1.6264, 0.1883, 0.1979

Inverse Universe

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



23.6876, 0.4632, 0.2345



23.2681, 0.4725, 0.2377



82.8916, 0.4304, 0.4948



18.1587, 0.3205, 0.3157



12.1887, 0.4694, 0.2359



1.2087, 0.4477, 0.2240

Previews

White Background



This preview shows how the Yxy color 28.7860, 0.1851, 0.1841 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 28.7860, 0.1851, 0.1841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

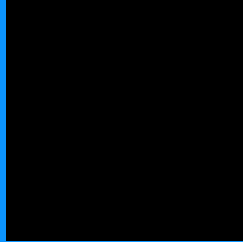
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

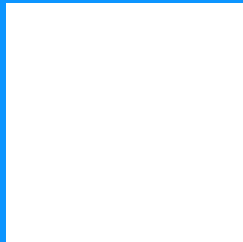
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.7860, 0.1851, 0.1841

Background



This preview shows how black text looks on a background with the Yxy color 28.7860, 0.1851, 0.1841.



This preview shows how white text looks on a background with the Yxy color 28.7860, 0.1851, 0.1841.

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

28.7931, 0.1851, 0.1841

Protanopia

28.7760, 0.2073, 0.1878

Deuteranopia

28.7655, 0.1896, 0.1830



Tritanopia

28.4683, 0.2192, 0.3090

Trichromacy



Original Color

28.7931, 0.1851, 0.1841

Protanomaly

28.4091, 0.1946, 0.1851

Deuteranomaly

28.7749, 0.1873, 0.1836

Tritanomaly

28.4040, 0.2045, 0.2551

Monochromacy



Original Color

28.7931, 0.1851, 0.1841

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

20.8465, 0.2331, 0.2603

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7860, 0.1851, 0.1841 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(12, 149, 255)` looks like.

```
.text, #text, p{  
    color:rgb(12, 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(12, 149, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 149, 255) }
```

Border

The CSS property to change the border of an element to Yxy 28.7860, 0.1851, 0.1841 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(12, 149, 255) }
```

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

```
.border{ border-color:rgb(12, 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(12, 149, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 149, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 149, 255);  
box-shadow:4px 4px 4px 4px rgb(12, 149,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7860, 0.1851, 0.1841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 149, 255) }
```

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

```
.background{ background-color: rgb(12, 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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