

Converting Colors

$Y_{xy}(28.3400, 0.2059, 0.1776)$

Have a look what the booklet for
Yxy(28.3400, 0.2059, 0.1776)
contains.

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Color

Yxy(28.3400, 0.2059, 0.1776)

Conversions

Conversions Part 1

Format	Color
Hex	688AFF
RGB	104, 138, 255
RGB Percent	41%, 54%, 100%
CMY	0.5919, 0.4589, 0.0000
CMYK	0.59, 0.46, 0.00, 0.00
HSL	227°, 100%, 70%
HSV	227°, 59%, 100%
XYZ	32.8559, 28.3400, 98.3762
YIQ	141.1720, -57.8210, 29.1790

Conversions

Conversions Part 2

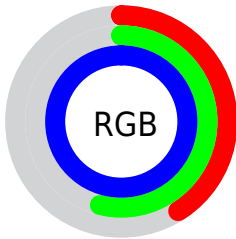
Format	Color
RYB	104, 132, 255
Decimal	6851327
CIELab	60.19, 22.48, -61.98
CIELCh	60, 65.930, 289.939
Yxy	28.3400, 0.2059, 0.1776
Android (android.graphics.Color)	4285041407 (0xFF688AFF)
YUV	141.1720, 56.1172, -32.5998
Hunter-Lab	53.2353, 17.0052, -72.3002

Details

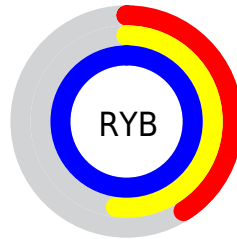
The Yxy color **28.3400, 0.2059, 0.1776** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **74.0102, 0.4160, 0.4422**, and the grayscale version is **26.5023, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.4809, 0.2526, 0.2539**, and **11.3956, 0.1765, 0.1429** is the 20% darker color. If you saturate the color by 10%, you get **21.8709, 0.1887, 0.1488**, and if you desaturate by 10%, it is **36.2997, 0.2247, 0.2072**.

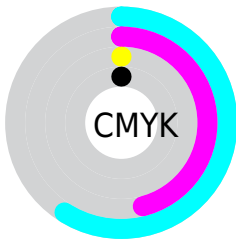
Distribution



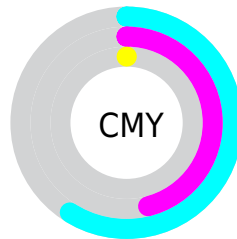
- Red (41%)
- Green (54%)
- Blue (100%)



- Red (41%)
- Yellow (52%)
- Blue (100%)



- Cyan (59%)
- Magenta (46%)
- Yellow (0%)
- Black (0%)





- Cyan (59%)
- Magenta (46%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3400, 0.2059, 0.1776 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 28.3400, 0.2059, 0.1776 by changing the saturation by 10% instead.


 28.3400, 0.2059,
0.1776

 28.3400, 0.2059,
0.1776


294.0880, 0.2606,
0.2499

 18.5821, 0.1927,
0.1615


 57.0268, 0.2256,
0.2026

 11.3687, 0.1762,
0.1420


 76.7245, 0.2331,
0.2124

 6.3154, 0.1554,
0.1186


 100.5043, 0.2394,
0.2208

 3.0378, 0.1289,
0.0905

128.7505, 0.2449,
0.2282

 1.1515, 0.0954,
0.0582

161.8476, 0.2496,
0.2346

 0.0216, 0.0543,
0.0021

200.1800, 0.2537,

 0.0000, 0.0000,

0.2403

0.0000

244.1320, 0.2574,
0.2454

■ 28.3400, 0.2059,
0.1776

■ 28.3400, 0.2059,
0.1776

■ 21.8709, 0.1887,
0.1488

■ 36.2997, 0.2247,
0.2072

■ 16.7977, 0.1743,
0.1223

■ 45.8439, 0.2441,
0.2361

■ 13.0065, 0.1634,
0.0998

■ 57.0532, 0.2632,
0.2633

■ 10.3521, 0.1564,
0.0824

■ 70.0039, 0.2814,
0.2882

■ 10.1780, 0.1559,
0.0813

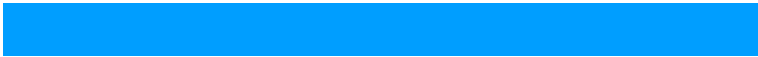
■ 84.7675, 0.2984,
0.3107

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.



28.3400, 0.1557, 0.1823



28.3400, 0.2059, 0.1776



28.3400, 0.2930, 0.2008

Triad

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



28.3400, 0.2059, 0.1776



28.3400, 0.5218, 0.3813



28.3400, 0.2118, 0.4315

Complementary

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



28.3400, 0.2059, 0.1776



74.0102, 0.4160, 0.4422

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.



28.3400, 0.3010, 0.5224



28.3400, 0.2059, 0.1776



28.3400, 0.4802, 0.4556

Square

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



28.3400, 0.2059, 0.1776



28.3400, 0.4963, 0.3109



28.3400, 0.3983, 0.5185



28.3400, 0.1558, 0.3071

Rectangle

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



28.3400, 0.2059, 0.1776



28.3400, 0.3669, 0.2299



28.3400, 0.3983, 0.5185



28.3400, 0.2389, 0.4705

Sweetspot

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



28.3386, 0.2059, 0.1776



71.6711, 0.2835, 0.2911



79.6219, 0.2540, 0.3720



14.4811, 0.2784, 0.2841



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.



28.3386, 0.2059, 0.1776



20.8550, 0.1859, 0.1438



23.0882, 0.2231, 0.1491



18.0399, 0.2979, 0.3100



5.4996, 0.1566, 0.0836



0.6904, 0.1621, 0.1037

Inverse Universe

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



33.0059, 0.4554, 0.2960



27.3806, 0.5024, 0.2942



86.9294, 0.3688, 0.4842



18.0539, 0.3259, 0.3237



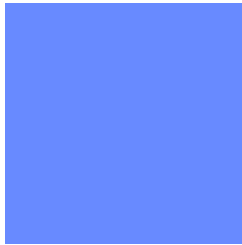
11.2832, 0.6011, 0.3085



1.1142, 0.5704, 0.2916

Previews

White Background



This preview shows how the Yxy color 28.3400, 0.2059, 0.1776 looks on a white background.

Color Contrast Check

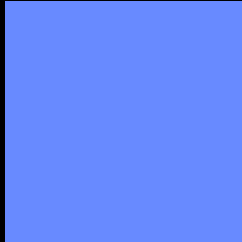
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3400, 0.2059, 0.1776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

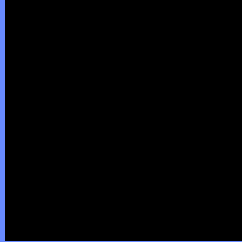
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3400, 0.2059, 0.1776

Background



This preview shows how black text looks on a background with the Yxy color 28.3400, 0.2059, 0.1776.



This preview shows how white text looks on a background with the Yxy color 28.3400, 0.2059, 0.1776.

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

28.3400, 0.2059, 0.1776

Protanopia

28.4939, 0.2008, 0.1794

Deuteranopia

28.4065, 0.1905, 0.1836



Tritanopia

28.2095, 0.2346, 0.3061

Trichromacy



Original Color

28.3400, 0.2059, 0.1776

Protanomaly

28.4630, 0.2027, 0.1789

Deuteranomaly

28.1784, 0.1946, 0.1804

Tritanomaly

27.7352, 0.2214, 0.2481

Monochromacy



Original Color

28.3400, 0.2059, 0.1776

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.7228, 0.2634, 0.2634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3400, 0.2059, 0.1776 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(104, 138, 255)` looks like.

```
.text, #text, p{  
    color:rgb(104, 138, 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(104, 138, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 138, 255) }
```

Border

The CSS property to change the border of an element to Yxy 28.3400, 0.2059, 0.1776 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(104, 138, 255) }
```

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

```
.border{ border-color:rgb(104, 138, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 138, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 138, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 138, 255);  
box-shadow:4px 4px 4px 4px rgb(104, 138,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3400, 0.2059, 0.1776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 138, 255) }
```

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

```
.background{ background-color: rgb(104,  
138, 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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