

Converting Colors

$Y_{xy}(28.6915, 0.2079, 0.1806)$

Have a look what the booklet for
Yxy(28.6915, 0.2079, 0.1806)
contains.

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Color

Yxy(28.6852, 0.2076, 0.1801)

Conversions

Conversions Part 1

Format	Color
Hex	6A8BFE
RGB	106, 139, 254
RGB Percent	42%, 55%, 100%
CMY	0.5841, 0.4549, 0.0041
CMYK	0.58, 0.45, 0.00, 0.00
HSL	227°, 99%, 71%
HSV	227°, 58%, 100%
XYZ	33.0652, 28.6852, 97.5233
YIQ	142.2430, -56.5830, 28.7690

Conversions

Conversions Part 2

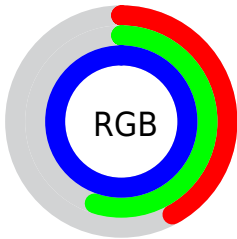
Format	Color
R _Y B	106, 133, 254
Decimal	6982654
CIE Lab	60.50, 21.90, -60.89
CIE LCh	61, 64.705, 289.783
Yxy	28.6852, 0.2076, 0.1801
Android (android.graphics.Color)	4285172734 (0xFF6A8BFE)
YUV	142.2430, 55.0962, -31.7851
Hunter-Lab	53.5586, 16.4723, -70.4685

Details

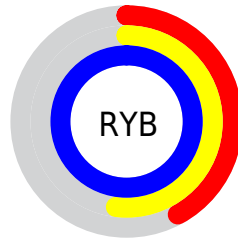
The Yxy color **28.6852, 0.2076, 0.1801** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **73.8288, 0.4141, 0.4410**, and the grayscale version is **26.9517, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.1348, 0.2540, 0.2554**, and **11.6349, 0.1782, 0.1450** is the 20% darker color. If you saturate the color by 10%, you get **22.1431, 0.1902, 0.1511**, and if you desaturate by 10%, it is **36.7218, 0.2265, 0.2097**.

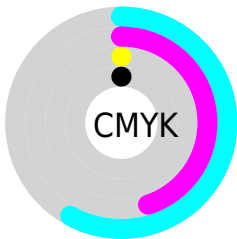
Distribution



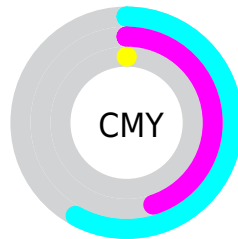
- Red (42%)
- Green (55%)
- Blue (100%)



- Red (42%)
- Yellow (52%)
- Blue (100%)



- Cyan (58%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)





- Cyan (58%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.6852, 0.2076, 0.1801 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 28.6852, 0.2076, 0.1801 by changing the saturation by 10% instead.


 28.6852, 0.2076,
0.1801


 28.6852, 0.2076,
0.1801


295.7267, 0.2614,
0.2513


 18.8428, 0.1946,
0.1641


 57.5766, 0.2270,
0.2048

 11.5568, 0.1783,
0.1449


 77.3943, 0.2344,
0.2144

 6.4426, 0.1577,
0.1215


 101.3060, 0.2406,
0.2227

 3.1160, 0.1314,
0.0935

129.6959, 0.2460,
0.2300

 1.1926, 0.0979,
0.0609

162.9486, 0.2506,
0.2363

 0.0557, 0.0568,
0.0054

201.4484, 0.2547,

 0.0000, 0.0000,

0.2419

0.0000

245.5796, 0.2582,
0.2469

■ 28.6852, 0.2076,
0.1801

■ 28.6852, 0.2076,
0.1801

■ 22.1431, 0.1902,
0.1511

■ 36.7218, 0.2265,
0.2097

■ 16.9953, 0.1754,
0.1243

■ 46.3385, 0.2459,
0.2385

■ 13.1322, 0.1642,
0.1014

■ 57.6173, 0.2650,
0.2656

■ 10.4177, 0.1568,
0.0836

■ 70.6336, 0.2831,
0.2904

■ 10.0356, 0.1558,
0.0809

■ 85.4581, 0.2999,
0.3126

99.9330, 0.3133,
0.3300

Harmonies

Analogous

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



28.6852, 0.1581, 0.1850



28.6852, 0.2076, 0.1801



28.6852, 0.2930, 0.2028

Triad

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



28.6852, 0.2076, 0.1801



28.6852, 0.5177, 0.3808



28.6852, 0.2145, 0.4296

Complementary

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



28.6852, 0.2076, 0.1801



73.8288, 0.4141, 0.4410

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.



28.6852, 0.3024, 0.5178



28.6852, 0.2076, 0.1801



28.6852, 0.4779, 0.4537

Square

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



28.6852, 0.2076, 0.1801



28.6852, 0.4920, 0.3114



28.6852, 0.3980, 0.5146



28.6852, 0.1589, 0.3085

Rectangle

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



28.6852, 0.2076, 0.1801



28.6852, 0.3653, 0.2315



28.6852, 0.3980, 0.5146



28.6852, 0.2412, 0.4673

Sweetspot

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



28.6861, 0.2076, 0.1801



73.0387, 0.2852, 0.2933



79.0626, 0.2546, 0.3712



15.0277, 0.2817, 0.2886



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.



28.6861, 0.2076, 0.1801



21.3260, 0.1874, 0.1461



23.5396, 0.2249, 0.1521



18.0337, 0.2979, 0.3100



5.4708, 0.1565, 0.0833



0.6867, 0.1620, 0.1032

Inverse Universe

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



33.2480, 0.4521, 0.2966



27.7649, 0.4988, 0.2945



86.2726, 0.3682, 0.4819



18.0533, 0.3259, 0.3237



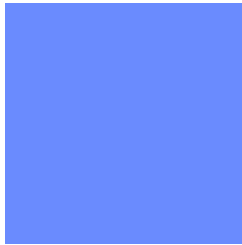
11.2802, 0.6017, 0.3089



1.1139, 0.5711, 0.2919

Previews

White Background



This preview shows how the Yxy color 28.6852, 0.2076, 0.1801 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 28.6852, 0.2076, 0.1801 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 28.6852, 0.2076, 0.1801

Background



This preview shows how black text looks on a background with the Yxy color 28.6852, 0.2076, 0.1801.



This preview shows how white text looks on a background with the Yxy color 28.6852, 0.2076, 0.1801.

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

28.6852, 0.2076, 0.1801

Protanopia

28.5969, 0.2017, 0.1797

Deuteranopia

28.8564, 0.1929, 0.1864



Tritanopia

28.7336, 0.2364, 0.3063

Trichromacy



Original Color

28.6852, 0.2076, 0.1801

Protanomaly

28.5728, 0.2036, 0.1792

Deuteranomaly

28.6161, 0.1969, 0.1832

Tritanomaly

28.2351, 0.2238, 0.2501

Monochromacy



Original Color

28.6852, 0.2076, 0.1801

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.1358, 0.2637, 0.2638

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6852, 0.2076, 0.1801 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(106, 139, 254)` looks like.

```
.text, #text, p{  
    color:rgb(106, 139, 254)  
}
```

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(106, 139, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 139, 254) }
```

Border

The CSS property to change the border of an element to Yxy 28.6852, 0.2076, 0.1801 is called "border". The border property can be set on classes, ids or directly on the HTML element.

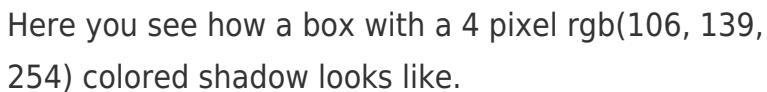
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(106, 139, 254) }
```

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

```
.border{ border-color:rgb(106, 139, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(106, 139, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(106, 139, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(106, 139, 254); box-shadow:4px 4px 4px 4px rgb(106, 139, 254) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6852, 0.2076, 0.1801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 139, 254) }
```

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

```
.background{ background-color: rgb(106,  
139, 254) }
```

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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