

Converting Colors

$Y_{xy}(28.1022, 0.2060, 0.1857)$

Have a look what the booklet for
Yxy(28.1022, 0.2060, 0.1857)
contains.

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Color

Yxy(28.0130, 0.2061, 0.1857)

Conversions

Conversions Part 1

Format	Color
Hex	618CF7
RGB	97, 140, 247
RGB Percent	38%, 55%, 97%
CMY	0.6197, 0.4509, 0.0315
CMYK	0.61, 0.43, 0.00, 0.03
HSL	223°, 90%, 67%
HSV	223°, 61%, 97%
XYZ	31.0904, 28.0130, 91.7475
YIQ	139.3410, -59.9750, 24.1610

Conversions

Conversions Part 2

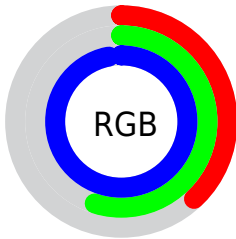
Format	Color
R _Y B	97, 130, 247
Decimal	6393079
CIE _{Lab}	59.90, 17.35, -58.04
CIE _{LCh}	60, 60.579, 286.643
Y _{xy}	28.0130, 0.2061, 0.1857
Android (android.graphics.Color)	4284583159 (0xFF618CF7)
YUV	139.3410, 53.0759, -37.1331
Hunter-Lab	52.9273, 12.2310, -65.7278

Details

The Yxy color **28.0130, 0.2061, 0.1857** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **63.7854, 0.4246, 0.4363**, and the grayscale version is **25.7638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.6290, 0.2487, 0.2556**, and **11.2580, 0.1762, 0.1509** is the 20% darker color. If you saturate the color by 10%, you get **22.1206, 0.1899, 0.1586**, and if you desaturate by 10%, it is **35.1530, 0.2239, 0.2132**.

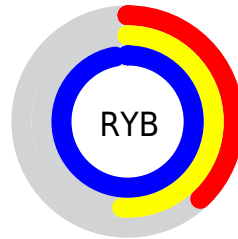
Distribution



Red (38%)

Green (55%)

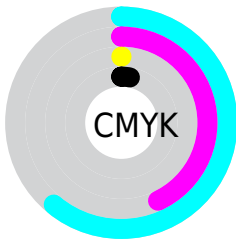
Blue (97%)



Red (38%)

Yellow (51%)

Blue (97%)

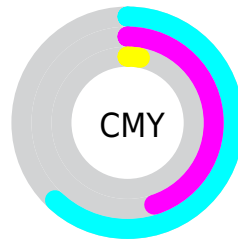


Cyan (61%)

Magenta (43%)

Yellow (0%)

Black (3%)



Cyan (62%)


Magenta (45%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0130, 0.2061, 0.1857 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 28.0130, 0.2061, 0.1857 by changing the saturation by 10% instead.


 28.0130, 0.2061,
0.1857


 28.0130, 0.2061,
0.1857


292.5290, 0.2608,
0.2553


 18.3355, 0.1928,
0.1698


 56.5052, 0.2259,
0.2101


 11.1911, 0.1761,
0.1504


 76.0886, 0.2334,
0.2195

 6.1955, 0.1549,
0.1267


 99.7428, 0.2397,
0.2276

 2.9643, 0.1278,
0.0978

 127.8522, 0.2451,
0.2347

 1.1131, 0.0933,
0.0637

160.8011, 0.2498,
0.2408

 0.0000, 0.0464,
0.0000

198.9739, 0.2540,

 0.0000, 0.0000,

0.2462

0.0000

242.7551, 0.2576,
0.2510

■ 28.0130, 0.2061,
0.1857

■ 28.0130, 0.2061,
0.1857

■ 22.1206, 0.1899,
0.1586

■ 35.1530, 0.2239,
0.2132

■ 17.3932, 0.1763,
0.1332

■ 43.6097, 0.2425,
0.2399


■ 13.7409, 0.1660,
0.1109

■ 53.4503, 0.2611,
0.2651

■ 11.2049, 0.1594,
0.0939

■ 64.7359, 0.2790,
0.2883

■ 77.5241, 0.2959,
0.3092

 91.8691, 0.3116,
0.3277

 99.4942, 0.3174,
0.3367

Harmonies

Analogous

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



28.0130, 0.1617, 0.1940



28.0130, 0.2061, 0.1857



28.0130, 0.2845, 0.2049

Triad

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



28.0130, 0.2061, 0.1857



28.0130, 0.5080, 0.3733



28.0130, 0.2278, 0.4349

Complementary

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



28.0130, 0.2061, 0.1857



63.7854, 0.4246, 0.4363

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.



28.0130, 0.3140, 0.5098



28.0130, 0.2061, 0.1857



28.0130, 0.4772, 0.4428

Square

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



28.0130, 0.2061, 0.1857



28.0130, 0.4756, 0.3066



28.0130, 0.4046, 0.5013



28.0130, 0.1701, 0.3214

Rectangle

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



28.0130, 0.2061, 0.1857



28.0130, 0.3518, 0.2311



28.0130, 0.4046, 0.5013



28.0130, 0.2544, 0.4681

Sweetspot

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



28.0139, 0.2061, 0.1857



73.1770, 0.2837, 0.2942



73.3119, 0.2576, 0.3867



14.8433, 0.2786, 0.2878



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.



28.0139, 0.2061, 0.1857



22.4651, 0.1864, 0.1524



19.7664, 0.2132, 0.1414



16.7012, 0.2980, 0.3116



6.1362, 0.1602, 0.0966



0.7078, 0.1669, 0.1208

Inverse Universe

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



30.2072, 0.4480, 0.2857



26.9096, 0.4935, 0.2832



82.1200, 0.3768, 0.4833



16.5607, 0.3248, 0.3222



10.7188, 0.5810, 0.2974



0.9591, 0.5456, 0.2779

Previews

White Background



This preview shows how the Yxy color 28.0130, 0.2061, 0.1857 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 28.0130, 0.2061, 0.1857 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

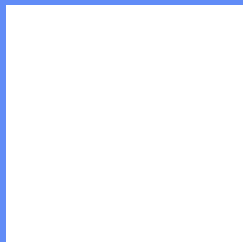
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.0130, 0.2061, 0.1857

Background



This preview shows how black text looks on a background with the Yxy color 28.0130, 0.2061, 0.1857.



This preview shows how white text looks on a background with the Yxy color 28.0130, 0.2061, 0.1857.

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

28.0130, 0.2061, 0.1857

Protanopia

28.0130, 0.2061, 0.1857

Deuteranopia

28.0979, 0.1961, 0.1895



Tritanopia

28.0083, 0.2319, 0.3059

Trichromacy



Original Color

28.0130, 0.2061, 0.1857

Protanomaly

28.0130, 0.2061, 0.1857

Deuteranomaly

27.9184, 0.1993, 0.1880

Tritanomaly

27.6663, 0.2205, 0.2532

Monochromacy



Original Color

28.0130, 0.2061, 0.1857

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

25.9647, 0.2628, 0.2668

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0130, 0.2061, 0.1857 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(97, 140, 247)` looks like.

```
.text, #text, p{  
    color:rgb(97, 140, 247)  
}
```

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(97, 140, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 140, 247) }
```

Border

The CSS property to change the border of an element to Yxy 28.0130, 0.2061, 0.1857 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(97, 140, 247) }
```

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

```
.border{ border-color:rgb(97, 140, 247) }
```

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

Here you see how a box with a 4 pixel rgb(97, 140, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 140, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 140, 247);  
box-shadow:4px 4px 4px 4px rgb(97, 140,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0130, 0.2061, 0.1857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 140, 247) }
```

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

```
.background{ background-color: rgb(97, 140,  
247) }
```

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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