

Converting Colors

$Y_{xy}(28.1233, 0.2044, 0.1771)$

Have a look what the booklet for
Yxy(28.1233, 0.2044, 0.1771)
contains.

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Color

Yxy(28.1637, 0.2044, 0.1771)

Conversions

Conversions Part 1

Format	Color
Hex	658AFF
RGB	101, 138, 255
RGB Percent	40%, 54%, 100%
CMY	0.6041, 0.4588, 0.0000
CMYK	0.60, 0.46, 0.00, 0.00
HSL	226°, 100%, 70%
HSV	226°, 60%, 100%
XYZ	32.5051, 28.1637, 98.3583
YIQ	140.2750, -59.6090, 28.5430

Conversions

Conversions Part 2

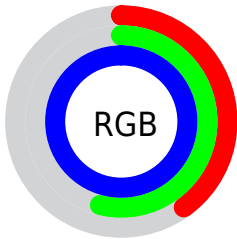
Format	Color
RYB	101, 131, 255
Decimal	6654719
CIELab	60.04, 21.91, -62.24
CIELCh	60, 65.984, 289.396
Yxy	28.1637, 0.2044, 0.1771
Android (android.graphics.Color)	4284844799 (0xFF658AFF)
YUV	140.2750, 56.5594, -34.4442
Hunter-Lab	53.0695, 16.4599, -72.7386

Details

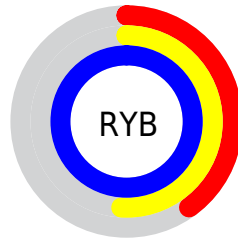
The Yxy color **28.1637, 0.2044, 0.1771** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **72.3158, 0.4196, 0.4420**, and the grayscale version is **26.1268, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.2681, 0.2514, 0.2537**, and **11.2861, 0.1746, 0.1421** is the 20% darker color. If you saturate the color by 10%, you get **21.8419, 0.1877, 0.1488**, and if you desaturate by 10%, it is **35.9302, 0.2229, 0.2062**.

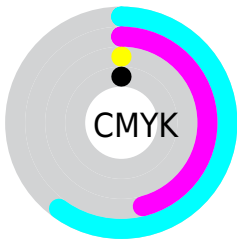
Distribution



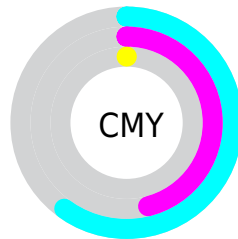
- Red (40%)
- Green (54%)
- Blue (100%)



- Red (40%)
- Yellow (51%)
- Blue (100%)



- Cyan (60%)
- Magenta (46%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (46%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1637, 0.2044, 0.1771 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 28.1637, 0.2044, 0.1771 by changing the saturation by 10% instead.

 28.1637, 0.2044,
0.1771


 28.1637, 0.2044,
0.1771


293.2483, 0.2598,
0.2497


 18.4491, 0.1910,
0.1609


 56.7457, 0.2244,
0.2022

 11.2729, 0.1744,
0.1414


 76.3819, 0.2319,
0.2120

 6.2507, 0.1534,
0.1179


 100.0940, 0.2384,
0.2205

 2.9981, 0.1267,
0.0897

128.2666, 0.2439,
0.2279

 1.1307, 0.0932,
0.0574

161.2839, 0.2487,
0.2344

 0.0040, 0.0517,
0.0004

199.5303, 0.2528,

 0.0000, 0.0000,

0.2401

0.0000

243.3903, 0.2565,
0.2451

■ 28.1637, 0.2044,
0.1771

■ 28.1637, 0.2044,
0.1771

■ 21.8419, 0.1877,
0.1488

■ 35.9302, 0.2229,
0.2062

■ 16.8721, 0.1737,
0.1229

■ 45.2322, 0.2421,
0.2346

■ 13.1431, 0.1633,
0.1007

■ 56.1482, 0.2611,
0.2615

■ 10.5929, 0.1567,
0.0841

■ 68.7521, 0.2793,
0.2863

■ 83.1133, 0.2964,
0.3085

99.2971, 0.3121,
0.3282

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.



28.1637, 0.1547, 0.1823



28.1637, 0.2044, 0.1771



28.1637, 0.2910, 0.1998

Triad

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



28.1637, 0.2044, 0.1771



28.1637, 0.5225, 0.3799



28.1637, 0.2129, 0.4340

Complementary

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



28.1637, 0.2044, 0.1771



72.3158, 0.4196, 0.4420

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.



28.1637, 0.3027, 0.5239



28.1637, 0.2044, 0.1771



28.1637, 0.4817, 0.4544

Square

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



28.1637, 0.2044, 0.1771



28.1637, 0.4957, 0.3096



28.1637, 0.4001, 0.5181



28.1637, 0.1561, 0.3090

Rectangle

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



28.1637, 0.2044, 0.1771



28.1637, 0.3650, 0.2288



28.1637, 0.4001, 0.5181



28.1637, 0.2402, 0.4729

Sweetspot

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



28.1624, 0.2044, 0.1771



72.0495, 0.2836, 0.2918



79.2673, 0.2544, 0.3764



14.5720, 0.2784, 0.2851



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.



28.1624, 0.2044, 0.1771



20.9639, 0.1852, 0.1445



22.0479, 0.2191, 0.1445



18.0870, 0.2979, 0.3104



5.7264, 0.1574, 0.0866



0.7184, 0.1631, 0.1071

Inverse Universe

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



32.3938, 0.4568, 0.2931



27.0682, 0.5023, 0.2915



87.1322, 0.3713, 0.4859



18.0587, 0.3256, 0.3233



11.3060, 0.5965, 0.3060



1.1171, 0.5652, 0.2888

Previews

White Background



This preview shows how the Yxy color 28.1637, 0.2044, 0.1771 looks on a white background.

Color Contrast Check

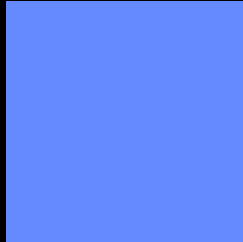
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1637, 0.2044, 0.1771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

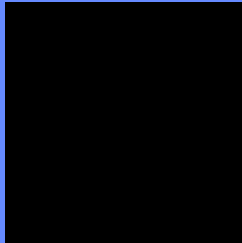
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.1637, 0.2044, 0.1771

Background



This preview shows how black text looks on a background with the Yxy color 28.1637, 0.2044, 0.1771.



This preview shows how white text looks on a background with the Yxy color 28.1637, 0.2044, 0.1771.

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

28.1637, 0.2044, 0.1771

Protanopia

28.1498, 0.2001, 0.1780

Deuteranopia

28.3277, 0.1898, 0.1833



Tritanopia

28.0404, 0.2324, 0.3059

Trichromacy



Original Color

28.1637, 0.2044, 0.1771

Protanomaly

28.0649, 0.2015, 0.1773

Deuteranomaly

28.0659, 0.1936, 0.1801

Tritanomaly

27.5662, 0.2195, 0.2477

Monochromacy



Original Color

28.1637, 0.2044, 0.1771

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

26.2783, 0.2615, 0.2615

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1637, 0.2044, 0.1771 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(101, 138, 255)` looks like.

```
.text, #text, p{  
    color:rgb(101, 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(101, 138, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 138, 255) }
```

Border

The CSS property to change the border of an element to Yxy 28.1637, 0.2044, 0.1771 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(101, 138, 255) }
```

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

```
.border{ border-color:rgb(101, 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(101, 138, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 138, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 138, 255);  
box-shadow:4px 4px 4px 4px rgb(101, 138,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1637, 0.2044, 0.1771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 138, 255) }
```

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

```
.background{ background-color: rgb(101,  
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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