

Converting Colors

$Y_{xy}(29.5641, 0.2043, 0.1963)$

Have a look what the booklet for
Yxy(29.5641, 0.2043, 0.1963)
contains.

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Color

Yxy(29.4384, 0.2041, 0.1954)

Conversions

Conversions Part 1

Format	Color
Hex	5693F5
RGB	86, 147, 245
RGB Percent	34%, 58%, 96%
CMY	0.6631, 0.4235, 0.0391
CMYK	0.65, 0.40, 0.00, 0.04
HSL	217°, 89%, 65%
HSV	217°, 65%, 96%
XYZ	30.7491, 29.4384, 90.4696
YIQ	139.9330, -67.8140, 17.5460

Conversions

Conversions Part 2

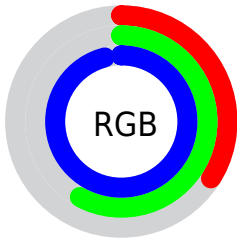
Format	Color
R_{YB}	86, 130, 245
Decimal	5673973
CIE _{Lab}	61.17, 10.63, -54.98
CIE _{LCh}	61, 55.995, 280.941
Y _{xy}	29.4384, 0.2041, 0.1954
Android (android.graphics.Color)	4283864053 (0xFF5693F5)
YUV	139.9330, 51.7980, -47.2992
Hunter-Lab	54.2572, 6.2111, -60.8814

Details

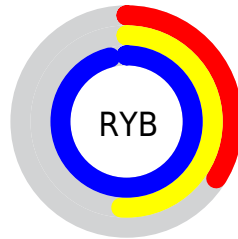
The Yxy color **29.4384, 0.2041, 0.1954** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **54.3362, 0.4443, 0.4275**, and the grayscale version is **26.0056, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.3828, 0.2452, 0.2646**, and **12.1802, 0.1786, 0.1629** is the 20% darker color. If you saturate the color by 10%, you get **24.0797, 0.1900, 0.1715**, and if you desaturate by 10%, it is **35.8132, 0.2201, 0.2195**.

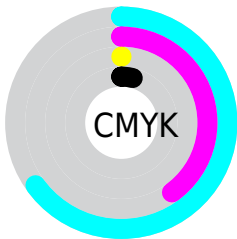
Distribution



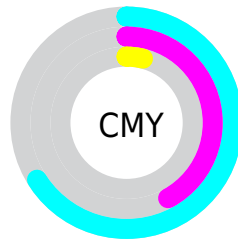
- Red (34%)
- Green (58%)
- Blue (96%)



- Red (34%)
- Yellow (51%)
- Blue (96%)



- Cyan (65%)
- Magenta (40%)
- Yellow (0%)
- Black (4%)



- Cyan (66%)
- Magenta (42%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.4384, 0.2041, 0.1954 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 29.4384, 0.2041, 0.1954 by changing the saturation by 10% instead.


 29.4384, 0.2041,
0.1954


 29.4384, 0.2041,
0.1954


299.2779, 0.2592,
0.2610

 19.4127, 0.1908,
0.1801


 58.7729, 0.2239,
0.2185


 11.9689, 0.1741,
0.1614


 78.8505, 0.2315,
0.2275

 6.7225, 0.1531,
0.1382


 103.0475, 0.2379,
0.2351

 3.2892, 0.1262,
0.1095

 131.7484, 0.2434,
0.2417

 1.2845, 0.0919,
0.0745

165.3374, 0.2481,
0.2475

 0.1292, 0.0437,
0.0148

204.1991, 0.2523,

 0.0000, 0.0000,

0.2525

0.0000

248.7178, 0.2560,
0.2570

■ 29.4384, 0.2041,
0.1954

■ 29.4384, 0.2041,
0.1954

■ 24.0797, 0.1900,
0.1715

■ 35.8132, 0.2201,
0.2195

■ 19.6677, 0.1784,
0.1488

■ 43.2604, 0.2372,
0.2430

■ 16.1255, 0.1697,
0.1281

■ 51.8350, 0.2548,
0.2653

■ 14.6168, 0.1663,
0.1186

■ 61.5866, 0.2722,
0.2859

■ 72.5618, 0.2891,
0.3046

■ 84.8044, 0.3051,
0.3214

■ 97.8930, 0.3187,
0.3363

■ 99.3743, 0.3185,
0.3386

Harmonies

Analogous

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



29.4384, 0.1680, 0.2094



29.4384, 0.2041, 0.1954



29.4384, 0.2714, 0.2086

Triad

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



29.4384, 0.2041, 0.1954



29.4384, 0.4906, 0.3604



29.4384, 0.2496, 0.4417

Complementary

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



29.4384, 0.2041, 0.1954



54.3362, 0.4443, 0.4275

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.



29.4384, 0.3322, 0.4963



29.4384, 0.2041, 0.1954



29.4384, 0.4741, 0.4248

Square

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



29.4384, 0.2041, 0.1954



29.4384, 0.4487, 0.2983



29.4384, 0.4141, 0.4803



29.4384, 0.1891, 0.3420

Rectangle

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



29.4384, 0.2041, 0.1954



29.4384, 0.3308, 0.2306



29.4384, 0.4141, 0.4803



29.4384, 0.2758, 0.4678

Sweetspot

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



29.4393, 0.2041, 0.1954



74.3554, 0.2823, 0.2972



70.6475, 0.2628, 0.4138



15.1824, 0.2774, 0.2918



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.



29.4393, 0.2041, 0.1954



24.6972, 0.1859, 0.1640



16.0489, 0.1951, 0.1239



16.9700, 0.2980, 0.3140



8.1201, 0.1671, 0.1216



0.9062, 0.1740, 0.1463

Inverse Universe

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



28.1649, 0.4404, 0.2682



25.7772, 0.4823, 0.2654



82.6693, 0.3909, 0.4846



16.5878, 0.3233, 0.3199



10.9191, 0.5444, 0.2773



0.9791, 0.5107, 0.2587

Previews

White Background



This preview shows how the Yxy color 29.4384, 0.2041, 0.1954 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 29.4384, 0.2041, 0.1954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

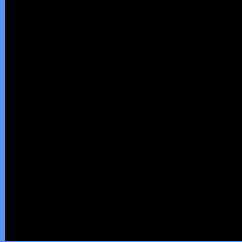
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

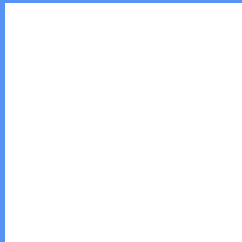
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.4384, 0.2041, 0.1954

Background



This preview shows how black text looks on a background with the Yxy color 29.4384, 0.2041, 0.1954.



This preview shows how white text looks on a background with the Yxy color 29.4384, 0.2041, 0.1954.

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

29.4384, 0.2041, 0.1954

Protanopia

29.4831, 0.2144, 0.1971

Deuteranopia

29.5217, 0.2025, 0.1962



Tritanopia

29.4713, 0.2254, 0.3061

Trichromacy



Original Color

29.4384, 0.2041, 0.1954

Protanomaly

29.3745, 0.2102, 0.1963

Deuteranomaly

29.6114, 0.2033, 0.1964

Tritanomaly

29.2139, 0.2159, 0.2597

Monochromacy



Original Color

29.4384, 0.2041, 0.1954

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

26.8523, 0.2602, 0.2729

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4384, 0.2041, 0.1954 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(86, 147, 245)` looks like.

```
.text, #text, p{  
    color:rgb(86, 147, 245)  
}
```

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(86, 147, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 147, 245) }
```

Border

The CSS property to change the border of an element to Yxy 29.4384, 0.2041, 0.1954 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(86, 147, 245) }
```

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

```
.border{ border-color:rgb(86, 147, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 147, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 147, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 147, 245);  
box-shadow:4px 4px 4px 4px rgb(86, 147,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4384, 0.2041, 0.1954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 147, 245) }
```

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

```
.background{ background-color: rgb(86, 147,  
245) }
```

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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