

Converting Colors

$Y_{xy}(22.1549, 0.1934, 0.1577)$

Have a look what the booklet for
Yxy(22.1549, 0.1934, 0.1577)
contains.

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Color

Yxy(22.1840, 0.1934, 0.1583)

Conversions

Conversions Part 1

Format	Color
Hex	5279F7
RGB	82, 121, 247
RGB Percent	32%, 47%, 97%
CMY	0.6786, 0.5255, 0.0314
CMYK	0.67, 0.51, 0.00, 0.03
HSL	226°, 91%, 65%
HSV	226°, 67%, 97%
XYZ	27.1029, 22.1840, 90.8521
YIQ	123.7030, -63.6900, 30.9180

Conversions

Conversions Part 2

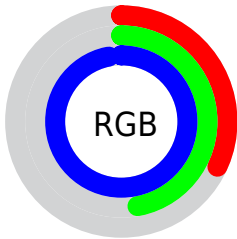
Format	Color
R _Y B	82, 114, 247
Decimal	5405175
CIE Lab	54.22, 26.42, -67.22
CIE LCh	54, 72.222, 291.459
Yxy	22.1840, 0.1934, 0.1583
Android (android.graphics.Color)	4283595255 (0xFF5279F7)
YUV	123.7030, 60.7854, -36.5735
Hunter-Lab	47.0999, 20.2901, -81.3960

Details

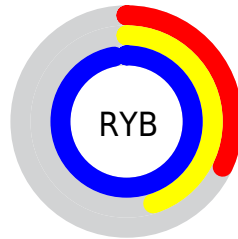
The Yxy color **22.1840, 0.1934, 0.1583** is a light color, and the websafe version is hex **3366CC**. The color can be described as light muted azure. A complement of this color would be **65.4743, 0.4299, 0.4509**, and the grayscale version is **19.8604, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.3102, 0.2383, 0.2292**, and **8.4828, 0.1671, 0.1214** is the 20% darker color. If you saturate the color by 10%, you get **17.1259, 0.1783, 0.1313**, and if you desaturate by 10%, it is **28.5374, 0.2109, 0.1871**.

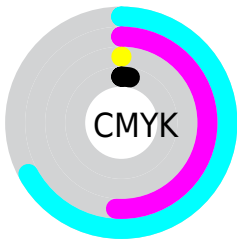
Distribution



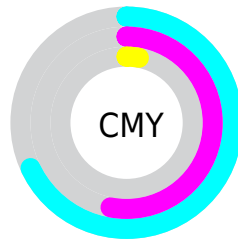
- Red (32%)
- Green (47%)
- Blue (97%)



- Red (32%)
- Yellow (45%)
- Blue (97%)



- Cyan (67%)
- Magenta (51%)
- Yellow (0%)
- Black (3%)





- Cyan (68%)
- Magenta (53%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1840, 0.1934, 0.1583 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 22.1840, 0.1934, 0.1583 by changing the saturation by 10% instead.


 22.1840, 0.1934,
0.1583


 22.1840, 0.1934,
0.1583


263.5057, 0.2559,
0.2406


 13.9922, 0.1781,
0.1401


 47.0499, 0.2162,
0.1867

 8.1152, 0.1590,
0.1184


 64.4928, 0.2247,
0.1979

 4.1688, 0.1351,
0.0929


 85.7881, 0.2320,
0.2075

 1.7684, 0.1052,
0.0636

 111.3203, 0.2382,
0.2159

 0.4674, 0.0694,
0.0291

141.4738, 0.2436,
0.2232

 0.0000, 0.0044,
0.0000

176.6329, 0.2482,

 0.0000, 0.0000,

0.2297

0.0000

217.1821, 0.2523,
0.2354

■ 22.1840, 0.1934,
0.1583

■ 22.1840, 0.1934,
0.1583

■ 17.1259, 0.1783,
0.1313

■ 28.5374, 0.2109,
0.1871

■ 13.2636, 0.1665,
0.1076

■ 36.2707, 0.2298,
0.2162

■ 10.4829, 0.1585,
0.0886

■ 45.4631, 0.2490,
0.2442

■ 9.7862, 0.1566,
0.0836

■ 56.1872, 0.2678,
0.2705

■ 68.5104, 0.2856,
0.2944

■ 82.4959, 0.3022,
0.3158

■ 98.2036, 0.3174,
0.3348

■ 99.4957, 0.3173,
0.3367

Harmonies

Analogous

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



22.1840, 0.1369, 0.1605



22.1840, 0.1934, 0.1583



22.1840, 0.2942, 0.1852

Triad

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



22.1840, 0.1934, 0.1583



22.1840, 0.5528, 0.3838



22.1840, 0.1886, 0.4448

Complementary

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



22.1840, 0.1934, 0.1583



65.4743, 0.4299, 0.4509

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.



22.1840, 0.2871, 0.5613



22.1840, 0.1934, 0.1583



22.1840, 0.4953, 0.4694

Square

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



22.1840, 0.1934, 0.1583



22.1840, 0.5329, 0.3072



22.1840, 0.3974, 0.5499



22.1840, 0.1310, 0.2927

Rectangle

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



22.1840, 0.1934, 0.1583



22.1840, 0.3821, 0.2181



22.1840, 0.3974, 0.5499



22.1840, 0.2180, 0.4951

Sweetspot

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



22.1846, 0.1934, 0.1583



69.2029, 0.2800, 0.2870



72.7600, 0.2514, 0.3822



14.0100, 0.2750, 0.2803



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.



22.1846, 0.1934, 0.1583



16.8976, 0.1739, 0.1230



16.9718, 0.2078, 0.1259



16.5631, 0.2979, 0.3104



5.3560, 0.1573, 0.0861



0.6229, 0.1636, 0.1089

Inverse Universe

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



27.1844, 0.4821, 0.2923



24.5336, 0.5354, 0.2939



80.2179, 0.3745, 0.4993



16.5468, 0.3256, 0.3234



10.6401, 0.5972, 0.3064



0.9505, 0.5626, 0.2873

Previews

White Background



This preview shows how the Yxy color 22.1840, 0.1934, 0.1583 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 22.1840, 0.1934, 0.1583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

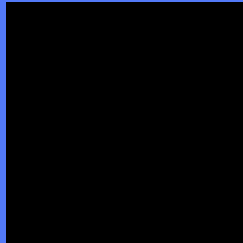
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.1840, 0.1934, 0.1583

Background



This preview shows how black text looks on a background with the Yxy color 22.1840, 0.1934, 0.1583.



This preview shows how white text looks on a background with the Yxy color 22.1840, 0.1934, 0.1583.

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

22.1840, 0.1934, 0.1583

Protanopia

22.3891, 0.1836, 0.1568

Deuteranopia

22.2157, 0.1836, 0.1810



Tritanopia

22.0115, 0.2181, 0.3050

Trichromacy



Original Color

22.1840, 0.1934, 0.1583

Protanomaly

22.4074, 0.1867, 0.1574

Deuteranomaly

21.7705, 0.1835, 0.1708

Tritanomaly

21.2348, 0.2026, 0.2354

Monochromacy



Original Color

22.1840, 0.1934, 0.1583

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.2817, 0.2531, 0.2498

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1840, 0.1934, 0.1583 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(82, 121, 247)` looks like.

```
.text, #text, p{  
  color:rgb(82, 121, 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(82, 121, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 121, 247) }
```

Border

The CSS property to change the border of an element to Yxy 22.1840, 0.1934, 0.1583 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(82, 121, 247) }
```

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

```
.border{ border-color:rgb(82, 121, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 121, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 121, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 121, 247);  
box-shadow:4px 4px 4px 4px rgb(82, 121,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1840, 0.1934, 0.1583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 121, 247) }
```

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

```
.background{ background-color: rgb(82, 121,  
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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