

Converting Colors

$Y_{xy}(21.1598, 0.1768, 0.1524)$

Have a look what the booklet for
Yxy(21.1598, 0.1768, 0.1524)
contains.

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Color

Yxy(21.1966, 0.1769, 0.1525)

Conversions

Conversions Part 1

Format	Color
Hex	127BFA
RGB	18, 123, 250
RGB Percent	7%, 48%, 98%
CMY	0.9279, 0.5177, 0.0197
CMYK	0.93, 0.51, 0.00, 0.02
HSL	213°, 96%, 53%
HSV	213°, 93%, 98%
XYZ	24.5881, 21.1966, 93.2094
YIQ	106.0830, -103.3470, 17.2370

Conversions

Conversions Part 2

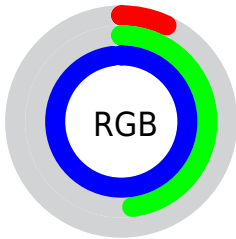
Format	Color
R _Y B	18, 90, 250
Decimal	1211386
CIE Lab	53.16, 20.47, -70.65
CIE LCh	53, 73.559, 286.157
Yxy	21.1966, 0.1769, 0.1525
Android (android.graphics.Color)	4279401466 (0xFF127BFA)
YUV	106.0830, 70.9511, -77.2488
Hunter-Lab	46.0398, 14.7603, -87.8073

Details

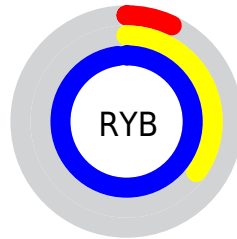
The Yxy color **21.1966, 0.1769, 0.1525** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **40.7218, 0.5164, 0.4231**, and the grayscale version is **14.2917, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4574, 0.2212, 0.2275**, and **8.9747, 0.1680, 0.1246** is the 20% darker color. If you saturate the color by 10%, you get **18.6916, 0.1719, 0.1388**, and if you desaturate by 10%, it is **25.2281, 0.1858, 0.1725**.

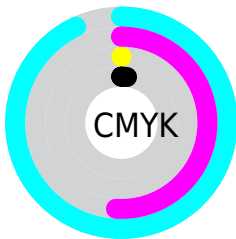
Distribution



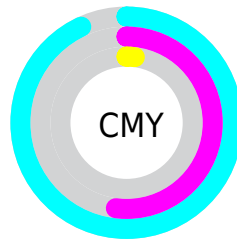
- Red (7%)
- Green (48%)
- Blue (98%)



- Red (7%)
- Yellow (35%)
- Blue (98%)



- Cyan (93%)
- Magenta (51%)
- Yellow (0%)
- Black (2%)



- Cyan (93%)
- Magenta (52%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.1966, 0.1769, 0.1525 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 21.1966, 0.1769, 0.1525 by changing the saturation by 10% instead.

■ 21.1966, 0.1769,
0.1525

■ 21.1966, 0.1769,
0.1525

■ 258.3215, 0.2470,
0.2379

■ 13.2678, 0.1602,
0.1337

■ 45.4145, 0.2021,
0.1819

■ 7.6132, 0.1398,
0.1115

■ 62.4724, 0.2117,
0.1935

■ 3.8485, 0.1148,
0.0857

■ 83.3421, 0.2198,
0.2035

■ 1.5892, 0.0847,
0.0567

■ 108.4080, 0.2268,
0.2123

■ 0.3503, 0.0509,
0.0214

■ 138.0545, 0.2329,
0.2199

■ 0.0000, 0.0000,
0.0000

172.6659, 0.2382,

0.2266

212.6268, 0.2429,
0.2326

■ 21.1966, 0.1769,
0.1525

■ 21.1966, 0.1769,
0.1525

■ 18.6916, 0.1719,
0.1388

■ 25.2281, 0.1858,
0.1725

■ 30.0849, 0.1972,
0.1937

■ 35.8372, 0.2109,
0.2153

■ 42.5449, 0.2263,
0.2368

■ 50.2614, 0.2427,
0.2574

■ 59.0353, 0.2596,
0.2768

■ 68.9115, 0.2764,
0.2947

■ 79.9320, 0.2929,
0.3109

■ 92.1363, 0.3087,
0.3254

Harmonies

Analogous

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



21.1966, 0.1268, 0.1602



21.1966, 0.1769, 0.1525



21.1966, 0.2716, 0.1748

Triad

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



21.1966, 0.1769, 0.1525



21.1966, 0.5626, 0.3687



21.1966, 0.1997, 0.4779

Complementary

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



21.1966, 0.1769, 0.1525



40.7218, 0.5164, 0.4231

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.



21.1966, 0.3047, 0.5772



21.1966, 0.1769, 0.1525



21.1966, 0.5133, 0.4547

Square

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



21.1966, 0.1769, 0.1525



21.1966, 0.5264, 0.2926



21.1966, 0.4170, 0.5430



21.1966, 0.1330, 0.3151

Rectangle

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



21.1966, 0.1769, 0.1525



21.1966, 0.3591, 0.2052



21.1966, 0.4170, 0.5430



21.1966, 0.2320, 0.5258

Sweetspot

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



21.1971, 0.1769, 0.1525



66.3976, 0.2674, 0.2852



70.4323, 0.2677, 0.4797



13.2840, 0.2601, 0.2773



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.



21.1971, 0.1769, 0.1525



19.5249, 0.1719, 0.1386



7.5661, 0.1538, 0.0650



17.9343, 0.2979, 0.3156



10.1961, 0.1727, 0.1418



1.1529, 0.1790, 0.1645

Inverse Universe

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



22.1928, 0.5016, 0.2576



22.5022, 0.5209, 0.2643



87.3160, 0.4127, 0.5076



17.3556, 0.3223, 0.3183



11.4402, 0.5167, 0.2620



1.0806, 0.4874, 0.2459

Previews

White Background



This preview shows how the Yxy color 21.1966, 0.1769, 0.1525 looks on a white background.

Color Contrast Check

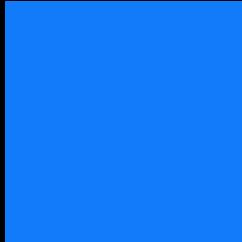
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1966, 0.1769, 0.1525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

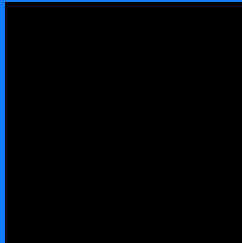
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

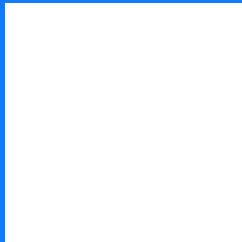
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.1966, 0.1769, 0.1525

Background



This preview shows how black text looks on a background with the Yxy color 21.1966, 0.1769, 0.1525.



This preview shows how white text looks on a background with the Yxy color 21.1966, 0.1769, 0.1525.

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

21.1966, 0.1769, 0.1525

Protanopia

21.2772, 0.1815, 0.1543

Deuteranopia

21.0823, 0.1839, 0.1820

Trichromacy



Original Color

21.1966, 0.1769, 0.1525

Protanomaly

21.1337, 0.1792, 0.1528

Deuteranomaly

21.1071, 0.1813, 0.1709

Monochromacy



Original Color

21.1966, 0.1769, 0.1525

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.5128, 0.2280, 0.2392

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1966, 0.1769, 0.1525 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(18, 123, 250)` looks like.

```
.text, #text, p{  
    color:rgb(18, 123, 250)  
}
```

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(18, 123, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 123, 250) }
```

Border

The CSS property to change the border of an element to Yxy 21.1966, 0.1769, 0.1525 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(18, 123, 250) }
```

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

```
.border{ border-color:rgb(18, 123, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 123, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 123, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 123, 250);  
box-shadow:4px 4px 4px 4px rgb(18, 123,  
250) }
```

Background

The CSS property to change the background color of an element to Yxy 21.1966, 0.1769, 0.1525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 123, 250) }
```

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

```
.background{ background-color: rgb(18, 123,  
250) }
```

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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