

Converting Colors

$Yxy(21.6912, 0.1874, 0.1502)$

Have a look what the booklet for
Yxy(21.6912, 0.1874, 0.1502)
contains.

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Color

Yxy(21.7020, 0.1874, 0.1502)

Conversions

Conversions Part 1

Format	Color
Hex	4977FD
RGB	73, 119, 253
RGB Percent	29%, 47%, 99%
CMY	0.7137, 0.5334, 0.0078
CMYK	0.71, 0.53, 0.00, 0.01
HSL	225°, 98%, 64%
HSV	225°, 71%, 99%
XYZ	27.0769, 21.7020, 95.7084
YIQ	120.5220, -70.4300, 31.9220

Conversions

Conversions Part 2

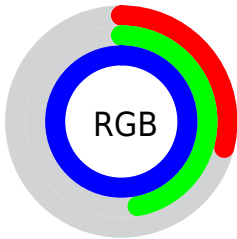
Format	Color
R _Y B	73, 110, 253
Decimal	4814845
CIE Lab	53.71, 28.52, -71.40
CIE LCh	54, 76.883, 291.778
Yxy	21.7020, 0.1874, 0.1502
Android (android.graphics.Color)	4283004925 (0xFF4977FD)
YUV	120.5220, 65.3117, -41.6768
Hunter-Lab	46.5854, 22.2255, -89.1999

Details

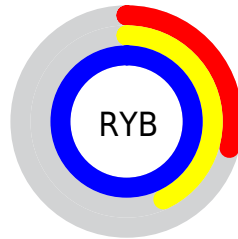
The Yxy color **21.7020, 0.1874, 0.1502** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **66.0134, 0.4395, 0.4530**, and the grayscale version is **18.7629, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.0966, 0.2349, 0.2260**, and **8.5749, 0.1658, 0.1168** is the 20% darker color. If you saturate the color by 10%, you get **16.8588, 0.1737, 0.1246**, and if you desaturate by 10%, it is **27.8367, 0.2038, 0.1780**.

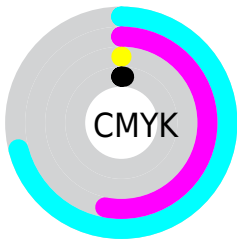
Distribution



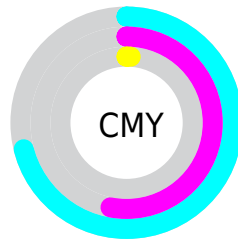
- Red (29%)
- Green (47%)
- Blue (99%)



- Red (29%)
- Yellow (43%)
- Blue (99%)



- Cyan (71%)
- Magenta (53%)
- Yellow (0%)
- Black (1%)





- Cyan (71%)
- Magenta (53%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7020, 0.1874, 0.1502 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 21.7020, 0.1874, 0.1502 by changing the saturation by 10% instead.


 21.7020, 0.1874,
0.1502


 21.7020, 0.1874,
0.1502


260.9861, 0.2527,
0.2354


 13.6381, 0.1716,
0.1317


 46.2530, 0.2110,
0.1793


 7.8694, 0.1521,
0.1100

 63.5088, 0.2200,
0.1909

 4.0115, 0.1280,
0.0848


 84.5975, 0.2276,
0.2009

 1.6800, 0.0983,
0.0566

 109.9033, 0.2341,
0.2096

 0.4107, 0.0637,
0.0235

139.8106, 0.2397,
0.2172

 0.0000, 0.0037,
0.0000

174.7040, 0.2446,

 0.0000, 0.0000,

0.2240

0.0000

214.9676, 0.2489,
0.2300

■ 21.7020, 0.1874,
0.1502

■ 21.7020, 0.1874,
0.1502

■ 16.8588, 0.1737,
0.1246

■ 27.8367, 0.2038,
0.1780

■ 13.2005, 0.1636,
0.1026

■ 35.3532, 0.2220,
0.2066

■ 10.8318, 0.1575,
0.0870

■ 44.3348, 0.2410,
0.2346

■ 54.8573, 0.2599,
0.2611

■ 66.9912, 0.2781,
0.2854

■ 80.8023, 0.2952,
0.3074

■ 96.3528, 0.3110,
0.3269

■ 99.8733, 0.3139,
0.3309

Harmonies

Analogous

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



21.7020, 0.1289, 0.1517



21.7020, 0.1874, 0.1502



21.7020, 0.2936, 0.1783

Triad

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



21.7020, 0.1874, 0.1502



21.7020, 0.5657, 0.3830



21.7020, 0.1789, 0.4520

Complementary

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



21.7020, 0.1874, 0.1502



66.0134, 0.4395, 0.4530

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.



21.7020, 0.2810, 0.5797



21.7020, 0.1874, 0.1502



21.7020, 0.5012, 0.4734

Square

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



21.7020, 0.1874, 0.1502



21.7020, 0.5485, 0.3044



21.7020, 0.3964, 0.5626



21.7020, 0.1209, 0.2870

Rectangle

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



21.7020, 0.1874, 0.1502



21.7020, 0.3878, 0.2124



21.7020, 0.3964, 0.5626



21.7020, 0.2093, 0.5077

Sweetspot

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



21.7026, 0.1874, 0.1502



68.3665, 0.2783, 0.2858



76.0904, 0.2509, 0.3905



13.8657, 0.2734, 0.2793



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.



21.7026, 0.1874, 0.1502



15.5742, 0.1693, 0.1155



15.5059, 0.1982, 0.1130



18.1318, 0.2979, 0.3108



5.9569, 0.1582, 0.0896



0.7464, 0.1640, 0.1105

Inverse Universe

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



26.9854, 0.4948, 0.2888



23.4636, 0.5485, 0.2929



84.5977, 0.3782, 0.5063



18.0632, 0.3254, 0.3229



11.3293, 0.5918, 0.3034



1.1199, 0.5603, 0.2860

Previews

White Background



This preview shows how the Yxy color 21.7020, 0.1874, 0.1502 looks on a white background.

Color Contrast Check

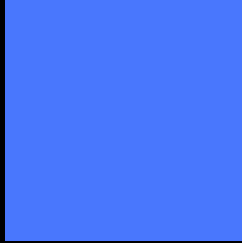
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7020, 0.1874, 0.1502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

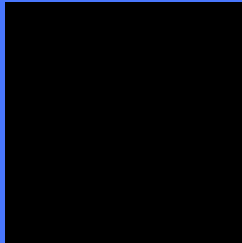
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

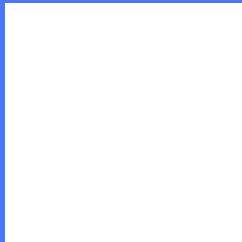
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.7020, 0.1874, 0.1502

Background



This preview shows how black text looks on a background with the Yxy color 21.7020, 0.1874, 0.1502.



This preview shows how white text looks on a background with the Yxy color 21.7020, 0.1874, 0.1502.

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

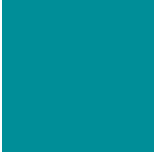
21.7020, 0.1874, 0.1502

Protanopia

21.7792, 0.1784, 0.1501

Deuteranopia

21.5113, 0.1835, 0.1807



Tritanopia

21.6130, 0.2191, 0.3087

Trichromacy



Original Color

21.7020, 0.1874, 0.1502

Protanomaly

21.7529, 0.1811, 0.1505

Deuteranomaly

21.2108, 0.1822, 0.1677

Tritanomaly

20.9573, 0.2010, 0.2320

Monochromacy



Original Color

21.7020, 0.1874, 0.1502

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.2406, 0.2478, 0.2434

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7020, 0.1874, 0.1502 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(73, 119, 253)` looks like.

```
.text, #text, p{  
  color:rgb(73, 119, 253)  
}
```

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(73, 119, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 119, 253) }
```

Border

The CSS property to change the border of an element to Yxy 21.7020, 0.1874, 0.1502 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(73, 119, 253) }
```

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

```
.border{ border-color:rgb(73, 119, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 119, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 119, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 119, 253);  
box-shadow:4px 4px 4px 4px rgb(73, 119,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7020, 0.1874, 0.1502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 119, 253) }
```

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

```
.background{ background-color: rgb(73, 119,  
253) }
```

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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