

Converting Colors

$Y_{xy}(19.7649, 0.1782, 0.1390)$

Have a look what the booklet for
Yxy(19.7649, 0.1782, 0.1390)
contains.

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Color

Yxy(19.7341, 0.1781, 0.1388)

Conversions

Conversions Part 1

Format	Color
Hex	3371FF
RGB	51, 113, 255
RGB Percent	20%, 44%, 100%
CMY	0.8004, 0.5569, 0.0000
CMYK	0.80, 0.56, 0.00, 0.00
HSL	222°, 100%, 60%
HSV	222°, 80%, 100%
XYZ	25.3216, 19.7341, 97.1208
YIQ	110.6500, -82.5340, 31.0180

Conversions

Conversions Part 2

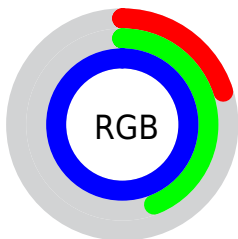
Format	Color
R _Y B	51, 99, 255
Decimal	3371519
CIE Lab	51.54, 30.63, -76.08
CIE LCh	52, 82.015, 291.927
Yxy	19.7341, 0.1781, 0.1388
Android (android.graphics.Color)	4281561599 (0xFF3371FF)
YUV	110.6500, 71.1645, -52.3131
Hunter-Lab	44.4231, 24.0065, -98.5277

Details

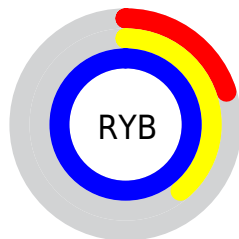
The Yxy color **19.7341, 0.1781, 0.1388** is a dark color, and the websafe version is hex **0066FF**. The color can be described as middle washed azure. A complement of this color would be **59.5909, 0.4616, 0.4518**, and the grayscale version is **15.5894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.4380, 0.2259, 0.2151**, and **7.9276, 0.1632, 0.1076** is the 20% darker color. If you saturate the color by 10%, you get **15.6632, 0.1676, 0.1163**, and if you desaturate by 10%, it is **24.9361, 0.1918, 0.1641**.

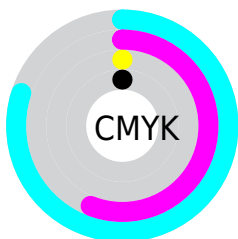
Distribution



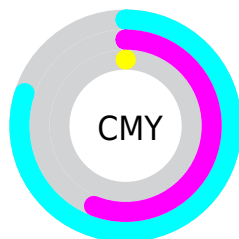
- Red (20%)
- Green (44%)
- Blue (100%)



- Red (20%)
- Yellow (39%)
- Blue (100%)



- Cyan (80%)
- Magenta (56%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (56%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.7341, 0.1781, 0.1388 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 19.7341, 0.1781, 0.1388 by changing the saturation by 10% instead.

■ 19.7341, 0.1781,
0.1388

■ 19.7341, 0.1781,
0.1388

250.4720, 0.2483,
0.2289

■ 12.2019, 0.1613,
0.1197

■ 42.9709, 0.2034,
0.1693

■ 6.8813, 0.1408,
0.0976

■ 59.4444, 0.2130,
0.1815

■ 3.3880, 0.1158,
0.0724

■ 79.6670, 0.2212,
0.1921

■ 1.3375, 0.0857,
0.0453

■ 104.0232, 0.2282,
0.2013

■ 0.1700, 0.0522,
0.0097

132.8974, 0.2343,
0.2095

■ 0.0000, 0.0000,
0.0000

166.6740, 0.2396,

0.2167

205.7374, 0.2442,
0.2231

■ 19.7341, 0.1781,
0.1388

■ 19.7341, 0.1781,
0.1388

■ 15.6632, 0.1676,
0.1163

■ 24.9361, 0.1918,
0.1641

■ 12.6111, 0.1604,
0.0975

■ 31.3702, 0.2079,
0.1908

■ 39.1161, 0.2256,
0.2177

■ 48.2481, 0.2440,
0.2438

■ 58.8343, 0.2624,
0.2683

■ 70.9382, 0.2802,
0.2907

■ 84.6192, 0.2970,
0.3110

99.9333, 0.3127,
0.3289

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.



19.7341, 0.1175, 0.1395



19.7341, 0.1781, 0.1388



19.7341, 0.2915, 0.1682

Triad

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



19.7341, 0.1781, 0.1388



19.7341, 0.5837, 0.3798



19.7341, 0.1655, 0.4645

Complementary

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



19.7341, 0.1781, 0.1388



59.5909, 0.4616, 0.4518

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.



19.7341, 0.2723, 0.6079



19.7341, 0.1781, 0.1388



19.7341, 0.5097, 0.4773

Square

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



19.7341, 0.1781, 0.1388



19.7341, 0.5705, 0.2991



19.7341, 0.3945, 0.5793



19.7341, 0.1071, 0.2796

Rectangle

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



19.7341, 0.1781, 0.1388



19.7341, 0.3948, 0.2038



19.7341, 0.3945, 0.5793



19.7341, 0.1971, 0.5283

Sweetspot

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



19.7316, 0.1781, 0.1388



65.9613, 0.2733, 0.2821



75.9548, 0.2531, 0.4138



13.2042, 0.2669, 0.2740



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.



19.7316, 0.1781, 0.1388



13.7340, 0.1630, 0.1046



11.6685, 0.1783, 0.0894



18.2790, 0.2979, 0.3120



6.8184, 0.1612, 0.1004



0.8467, 0.1673, 0.1223

Inverse Universe

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



24.8107, 0.5146, 0.2812



22.1324, 0.5681, 0.2926



86.5989, 0.3874, 0.5150



18.0781, 0.3246, 0.3218



11.4163, 0.5753, 0.2943



1.1300, 0.5433, 0.2767

Previews

White Background



This preview shows how the Yxy color 19.7341, 0.1781, 0.1388 looks on a white background.

Color Contrast Check

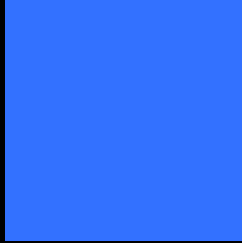
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7341, 0.1781, 0.1388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

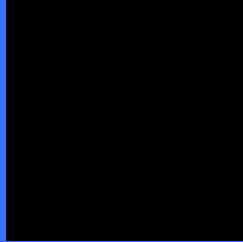
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

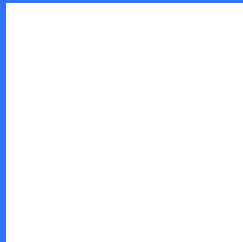
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.7341, 0.1781, 0.1388

Background



This preview shows how black text looks on a background with the Yxy color 19.7341, 0.1781, 0.1388.



This preview shows how white text looks on a background with the Yxy color 19.7341, 0.1781, 0.1388.

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

19.7341, 0.1781, 0.1388

Protanopia

19.5621, 0.1735, 0.1447

Deuteranopia

19.5735, 0.1845, 0.1843



Tritanopia

19.3416, 0.2194, 0.3098

Trichromacy



Original Color

19.7341, 0.1781, 0.1388

Protanomaly

19.5943, 0.1743, 0.1427

Deuteranomaly

19.5264, 0.1806, 0.1649

Tritanomaly

18.7779, 0.1980, 0.2252

Monochromacy



Original Color

19.7341, 0.1781, 0.1388

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.3565, 0.2367, 0.2343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7341, 0.1781, 0.1388 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(51, 113, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 113, 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(51, 113, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 113, 255) }
```

Border

The CSS property to change the border of an element to Yxy 19.7341, 0.1781, 0.1388 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(51, 113, 255) }
```

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

```
.border{ border-color:rgb(51, 113, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 113, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 113, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 113, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 113,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7341, 0.1781, 0.1388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 113, 255) }
```

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

```
.background{ background-color: rgb(51, 113,  
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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