

Converting Colors

$Y_{xy}(19.8332, 0.2060, 0.1675)$

Have a look what the booklet for
Yxy(19.8332, 0.2060, 0.1675)
contains.

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Color

Yxy(19.7341, 0.2054, 0.1664)

Conversions

Conversions Part 1

Format	Color
Hex	5F71E2
RGB	95, 113, 226
RGB Percent	37%, 44%, 89%
CMY	0.6272, 0.5569, 0.1136
CMYK	0.58, 0.50, 0.00, 0.11
HSL	232°, 69%, 63%
HSV	232°, 58%, 89%
XYZ	24.3593, 19.7341, 74.5010
YIQ	120.5000, -47.0010, 31.3270

Conversions

Conversions Part 2

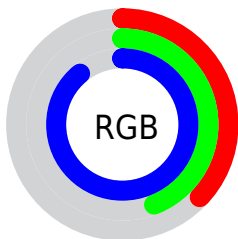
Format	Color
R_{YB}	95, 111, 226
Decimal	6255074
CIE _{Lab}	51.54, 26.50, -59.80
CIE _{LCh}	52, 65.405, 293.900
Yxy	19.7341, 0.2054, 0.1664
Android (android.graphics.Color)	4284445154 (0xFF5F71E2)
YUV	120.5000, 52.0115, -22.3635
Hunter-Lab	44.4231, 20.1396, -68.3378

Details

The Yxy color **19.7341, 0.2054, 0.1664** is a dark color, and the websafe version is hex **6666CC**. The color can be described as middle muted azure. A complement of this color would be **62.1658, 0.4058, 0.4502**, and the grayscale version is **18.7952, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.0988, 0.2417, 0.2206**, and **6.9273, 0.1711, 0.1254** is the 20% darker color. If you saturate the color by 10%, you get **14.7997, 0.1872, 0.1358**, and if you desaturate by 10%, it is **25.9565, 0.2252, 0.1983**.

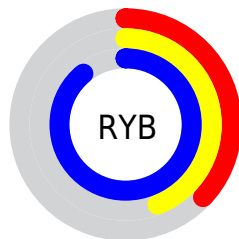
Distribution



Red (37%)

Green (44%)

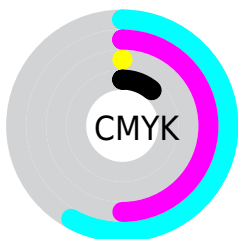
Blue (89%)



Red (37%)

Yellow (44%)

Blue (89%)

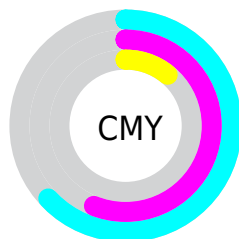


Cyan (58%)

Magenta (50%)

Yellow (0%)

Black (11%)



Cyan (63%)

Magenta (56%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.7341, 0.2054, 0.1664 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, 0.2054, 0.1664 by changing the saturation by 10% instead.

■ 19.7341, 0.2054,
0.1664

■ 19.7341, 0.2054,
0.1664

250.4720, 0.2636,
0.2473

■ 12.2019, 0.1903,
0.1477

■ 42.9709, 0.2272,
0.1950

■ 6.8813, 0.1711,
0.1250

■ 59.4444, 0.2352,
0.2060

■ 3.3880, 0.1461,
0.0975

■ 79.6670, 0.2419,
0.2154

■ 1.3375, 0.1137,
0.0654

■ 104.0232, 0.2476,
0.2236

■ 0.1700, 0.0741,
0.0156

132.8974, 0.2525,
0.2307

■ 0.0000, 0.0000,
0.0000

166.6740, 0.2567,

0.2369

205.7374, 0.2604,
0.2424

■ 19.7341, 0.2054,
0.1664

■ 19.7341, 0.2054,
0.1664

■ 14.7997, 0.1872,
0.1358

■ 25.9565, 0.2252,
0.1983

■ 11.0595, 0.1719,
0.1087

■ 33.5477, 0.2455,
0.2299

■ 8.4098, 0.1606,
0.0869


■ 42.5842, 0.2651,
0.2597


■ 6.7215, 0.1537,
0.0718

■ 53.1359, 0.2836,
0.2871

■ 6.4695, 0.1526,
0.0694

■ 65.2685, 0.3005,
0.3116

 79.0436, 0.3157,
0.3332

 94.5195, 0.3292,
0.3521

 98.2729, 0.3297,
0.3571

Harmonies

Analogous

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



19.7341, 0.1472, 0.1665



19.7341, 0.2054, 0.1664



19.7341, 0.3053, 0.1947

Triad

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



19.7341, 0.2054, 0.1664



19.7341, 0.5396, 0.3910



19.7341, 0.1894, 0.4255

Complementary

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



19.7341, 0.2054, 0.1664



62.1658, 0.4058, 0.4502

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, 0.2821, 0.5414



19.7341, 0.2054, 0.1664



19.7341, 0.4826, 0.4731

Square

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



19.7341, 0.2054, 0.1664



19.7341, 0.5257, 0.3158



19.7341, 0.3881, 0.5437



19.7341, 0.1366, 0.2864

Rectangle

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



19.7341, 0.2054, 0.1664



19.7341, 0.3892, 0.2278



19.7341, 0.3881, 0.5437



19.7341, 0.2168, 0.4732

Sweetspot

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



19.7347, 0.2054, 0.1664



71.0920, 0.2851, 0.2892



61.3223, 0.2498, 0.3552



14.5734, 0.2815, 0.2840



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.



19.7347, 0.2054, 0.1664



18.0709, 0.1830, 0.1286



19.3408, 0.2354, 0.1581



13.5443, 0.2981, 0.3081



3.7892, 0.1531, 0.0711



0.3611, 0.1593, 0.0936

Inverse Universe

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



25.5604, 0.4659, 0.3097



27.4363, 0.5203, 0.3090



64.9649, 0.3594, 0.4850



13.7309, 0.3271, 0.3258



9.2906, 0.6214, 0.3197



0.6539, 0.5856, 0.3000

Previews

White Background



This preview shows how the Yxy color 19.7341, 0.2054, 0.1664 looks on a white background.

Color Contrast Check

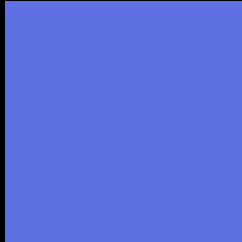
Large Text (above 18pt) WCAG AA ✓ Pass

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, 0.2054, 0.1664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

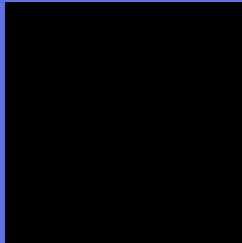
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7341, 0.2054, 0.1664

Background



This preview shows how black text looks on a background with the Yxy color 19.7341, 0.2054, 0.1664.



This preview shows how white text looks on a background with the Yxy color 19.7341, 0.2054, 0.1664.

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, 0.2054, 0.1664

Protanopia

19.9805, 0.1887, 0.1638

Deuteranopia

19.8345, 0.1832, 0.1794



Tritanopia

19.7808, 0.2378, 0.3066

Trichromacy



Original Color

19.7341, 0.2054, 0.1664

Protanomaly

19.8522, 0.1938, 0.1645

Deuteranomaly

19.3060, 0.1854, 0.1727

Tritanomaly

19.3942, 0.2229, 0.2422

Monochromacy



Original Color

19.7341, 0.2054, 0.1664

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.9048, 0.2633, 0.2563

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7341, 0.2054, 0.1664 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(95, 113, 226)` looks like.

```
.text, #text, p{  
    color:rgb(95, 113, 226)  
}
```

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(95, 113, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 113, 226) }
```

Border

The CSS property to change the border of an element to Yxy 19.7341, 0.2054, 0.1664 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(95, 113, 226) }
```

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

```
.border{ border-color:rgb(95, 113, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 113, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 113, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 113, 226);  
box-shadow:4px 4px 4px 4px rgb(95, 113,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7341, 0.2054, 0.1664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 113, 226) }
```

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

```
.background{ background-color: rgb(95, 113,  
226) }
```

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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