

Converting Colors

$Y_{xy}(19.8363, 0.2065, 0.1679)$

Have a look what the booklet for
Yxy(19.8363, 0.2065, 0.1679)
contains.

Yxy(19.7333, 0.2064, 0.1675)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(19.7333, 0.2064, 0.1675)

Conversions

Conversions Part 1

Format	Color
Hex	6071E1
RGB	96, 113, 225
RGB Percent	38%, 44%, 88%
CMY	0.6237, 0.5568, 0.1176
CMYK	0.57, 0.50, 0.00, 0.12
HSL	232°, 68%, 63%
HSV	232°, 57%, 88%
XYZ	24.3161, 19.7333, 73.7613
YIQ	120.6850, -46.0840, 31.2280

Conversions

Conversions Part 2

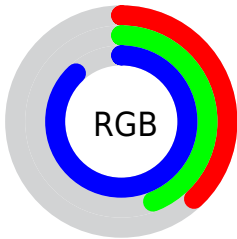
Format	Color
R _Y B	96, 111, 225
Decimal	6320609
CIE Lab	51.53, 26.31, -59.21
CIE LCh	52, 64.797, 293.961
Yxy	19.7333, 0.2064, 0.1675
Android (android.graphics.Color)	4284510689 (0xFF6071E1)
YUV	120.6850, 51.4273, -21.6487
Hunter-Lab	44.4222, 19.9698, -67.3532

Details

The Yxy color **19.7333, 0.2064, 0.1675** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **61.9393, 0.4045, 0.4497**, and the grayscale version is **18.8547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.1982, 0.2423, 0.2208**, and **6.9316, 0.1724, 0.1266** is the 20% darker color. If you saturate the color by 10%, you get **14.7849, 0.1880, 0.1367**, and if you desaturate by 10%, it is **25.9694, 0.2263, 0.1996**.

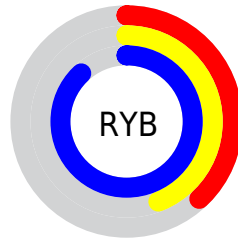
Distribution



Red (38%)

Green (44%)

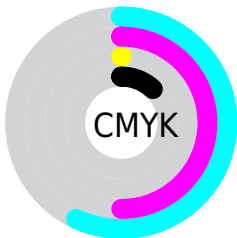
Blue (88%)



Red (38%)

Yellow (44%)

Blue (88%)

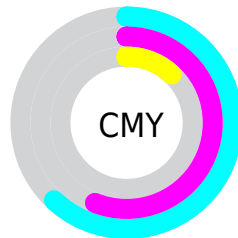


Cyan (57%)

Magenta (50%)

Yellow (0%)

Black (12%)



Cyan (62%)

Magenta (56%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.7333, 0.2064, 0.1675 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 19.7333, 0.2064, 0.1675 by changing the saturation by 10% instead.

■ 19.7333, 0.2064,
0.1675

■ 19.7333, 0.2064,
0.1675

■ 250.4676, 0.2642,
0.2480

■ 12.2013, 0.1914,
0.1488

■ 42.9696, 0.2280,
0.1960

■ 6.8809, 0.1722,
0.1261

■ 59.4427, 0.2360,
0.2070

■ 3.3878, 0.1473,
0.0986

■ 79.6650, 0.2427,
0.2163

■ 1.3374, 0.1149,
0.0663

■ 104.0208, 0.2483,
0.2244

■ 0.1699, 0.0750,
0.0159

■ 132.8946, 0.2531,
0.2315

■ 0.0000, 0.0000,
0.0000

166.6707, 0.2573,

0.2376

205.7336, 0.2610,
0.2431

■ 19.7333, 0.2064,
0.1675

■ 19.7333, 0.2064,
0.1675

■ 14.7849, 0.1880,
0.1367

■ 25.9694, 0.2263,
0.1996

■ 11.0310, 0.1725,
0.1094

■ 33.5736, 0.2466,
0.2312

■ 8.3683, 0.1609,
0.0873

■ 42.6222, 0.2662,
0.2611

■ 6.6711, 0.1539,
0.0720

■ 53.1848, 0.2846,
0.2884

■ 6.3511, 0.1525,
0.0689

■ 65.3269, 0.3014,
0.3129

■ 79.1099, 0.3166,
0.3344

■ 94.5920, 0.3300,
0.3532

■ 98.2163, 0.3304,
0.3582

Harmonies

Analogous

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



19.7333, 0.1484, 0.1676



19.7333, 0.2064, 0.1675



19.7333, 0.3057, 0.1958

Triad

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



19.7333, 0.2064, 0.1675



19.7333, 0.5379, 0.3912



19.7333, 0.1903, 0.4242

Complementary

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



19.7333, 0.2064, 0.1675



61.9393, 0.4045, 0.4497

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.



19.7333, 0.2825, 0.5390



19.7333, 0.2064, 0.1675



19.7333, 0.4815, 0.4726

Square

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



19.7333, 0.2064, 0.1675



19.7333, 0.5240, 0.3163



19.7333, 0.3878, 0.5421



19.7333, 0.1378, 0.2868

Rectangle

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



19.7333, 0.2064, 0.1675



19.7333, 0.3889, 0.2287



19.7333, 0.3878, 0.5421



19.7333, 0.2176, 0.4714

Sweetspot

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



19.7339, 0.2064, 0.1675



70.9858, 0.2850, 0.2890



60.8794, 0.2492, 0.3519



14.5487, 0.2814, 0.2837



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.



19.7339, 0.2064, 0.1675



18.4458, 0.1844, 0.1305



19.6595, 0.2383, 0.1608



13.5338, 0.2981, 0.3080



3.7553, 0.1529, 0.0705



0.3561, 0.1590, 0.0925

Inverse Universe

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



25.5590, 0.4642, 0.3105



27.8244, 0.5170, 0.3097



64.1224, 0.3575, 0.4844



13.7299, 0.3271, 0.3259



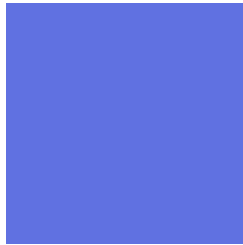
9.2871, 0.6224, 0.3202



0.6534, 0.5873, 0.3009

Previews

White Background



This preview shows how the Yxy color 19.7333, 0.2064, 0.1675 looks on a white background.

Color Contrast Check

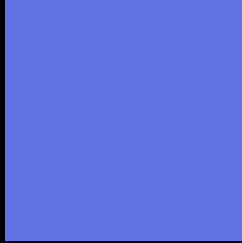
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7333, 0.2064, 0.1675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

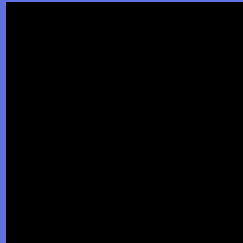
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7333, 0.2064, 0.1675

Background



This preview shows how black text looks on a background with the Yxy color 19.7333, 0.2064, 0.1675.



This preview shows how white text looks on a background with the Yxy color 19.7333, 0.2064, 0.1675.

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

19.7333, 0.2064, 0.1675

Protanopia

19.9553, 0.1894, 0.1647

Deuteranopia

19.8877, 0.1829, 0.1785



Tritanopia

19.8150, 0.2398, 0.3086

Trichromacy



Original Color

19.7333, 0.2064, 0.1675

Protanomaly

19.8356, 0.1946, 0.1654

Deuteranomaly

19.3060, 0.1854, 0.1727

Tritanomaly

19.4347, 0.2247, 0.2439

Monochromacy



Original Color

19.7333, 0.2064, 0.1675

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 19.7333, 0.2064, 0.1675 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(96, 113, 225) looks like.

```
.text, #text, p{  
    color:rgb(96, 113, 225)  
}
```

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(96, 113, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 113, 225) }
```

Border

The CSS property to change the border of an element to Yxy 19.7333, 0.2064, 0.1675 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(96, 113, 225) }
```

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

```
.border{ border-color:rgb(96, 113, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 113, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 113, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 113, 225);  
box-shadow:4px 4px 4px 4px rgb(96, 113,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7333, 0.2064, 0.1675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 113, 225) }
```

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

```
.background{ background-color: rgb(96, 113,  
225) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor