

Converting Colors

$Y_{xy}(19.2476, 0.2063, 0.1545)$

Have a look what the booklet for
Yxy(19.2476, 0.2063, 0.1545)
contains.

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Color

Yxy(19.1945, 0.2066, 0.1544)

Conversions

Conversions Part 1

Format	Color
Hex	696AE9
RGB	105, 106, 233
RGB Percent	41%, 42%, 91%
CMY	0.5884, 0.5843, 0.0863
CMYK	0.55, 0.54, 0.00, 0.09
HSL	240°, 74%, 66%
HSV	240°, 55%, 91%
XYZ	25.6838, 19.1945, 79.4384
YIQ	120.1790, -41.3630, 39.2850

Conversions

Conversions Part 2

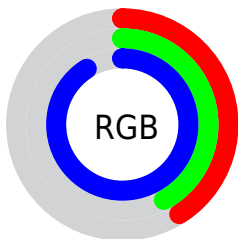
Format	Color
R _Y B	105, 106, 233
Decimal	6908649
CIE Lab	50.91, 34.83, -64.68
CIE LCh	51, 73.461, 298.304
Yxy	19.1945, 0.2066, 0.1544
Android (android.graphics.Color)	4285098729 (0xFF696AE9)
YUV	120.1790, 55.6208, -13.3120
Hunter-Lab	43.8115, 27.9727, -76.8356

Details

The Yxy color **19.1945, 0.2066, 0.1544** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **76.0276, 0.3924, 0.4590**, and the grayscale version is **18.6705, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.3333, 0.2469, 0.2129**, and **6.6376, 0.1729, 0.1133** is the 20% darker color. If you saturate the color by 10%, you get **13.8338, 0.1868, 0.1217**, and if you desaturate by 10%, it is **26.2258, 0.2280, 0.1897**.

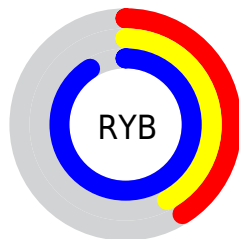
Distribution



Red (41%)

Green (42%)

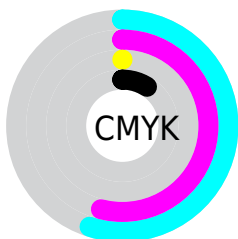
Blue (91%)



Red (41%)

Yellow (42%)

Blue (91%)

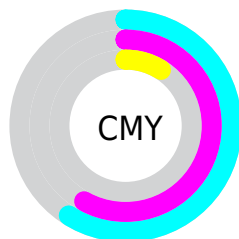


Cyan (55%)

Magenta (54%)

Yellow (0%)

Black (9%)



Cyan (59%)


Magenta (58%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.1945, 0.2066, 0.1544 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 19.1945, 0.2066, 0.1544 by changing the saturation by 10% instead.


 19.1945, 0.2066,
0.1544


 19.1945, 0.2066,
0.1544


247.5204, 0.2646,
0.2394


 11.8109, 0.1916,
0.1353


 42.0625, 0.2283,
0.1840

 6.6150, 0.1725,
0.1126


 58.3157, 0.2363,
0.1955

 3.2225, 0.1478,
0.0859

 78.2942, 0.2430,
0.2055

 1.2490, 0.1159,
0.0555

 102.3824, 0.2487,
0.2141

 0.1012, 0.0773,
0.0082

130.9648, 0.2535,
0.2216

 0.0000, 0.0000,
0.0000

164.4256, 0.2577,

0.2283

203.1494, 0.2614,
0.2342

■ 19.1945, 0.2066,
0.1544

■ 19.1945, 0.2066,
0.1544

■ 13.8338, 0.1868,
0.1217

■ 26.2258, 0.2280,
0.1897

■ 10.0038, 0.1703,
0.0942

■ 35.0485, 0.2495,
0.2251

■ 7.5451, 0.1585,
0.0745


■ 45.7745, 0.2699,
0.2587

■ 6.2622, 0.1519,
0.0634

■ 58.5059, 0.2886,
0.2894

■ 5.9242, 0.1501,
0.0604

■ 73.3376, 0.3052,
0.3168

 90.3583, 0.3198,
0.3407

 98.6629, 0.3256,
0.3503

Harmonies

Analogous

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



19.1945, 0.1387, 0.1492



19.1945, 0.2066, 0.1544



19.1945, 0.3230, 0.1887

Triad

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



19.1945, 0.2066, 0.1544



19.1945, 0.5563, 0.4016



19.1945, 0.1625, 0.4129

Complementary

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



19.1945, 0.2066, 0.1544



76.0276, 0.3924, 0.4590

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.



19.1945, 0.2570, 0.5625



19.1945, 0.2066, 0.1544



19.1945, 0.4802, 0.4940

Square

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



19.1945, 0.2066, 0.1544



19.1945, 0.5600, 0.3211



19.1945, 0.3716, 0.5752



19.1945, 0.1154, 0.2600

Rectangle

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



19.1945, 0.2066, 0.1544



19.1945, 0.4193, 0.2262



19.1945, 0.3716, 0.5752



19.1945, 0.1895, 0.4714

Sweetspot

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



19.1951, 0.2066, 0.1544



69.9097, 0.2866, 0.2861



67.0385, 0.2441, 0.3315



14.2400, 0.2828, 0.2800



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.



19.1951, 0.2066, 0.1544



16.2234, 0.1843, 0.1175



24.1786, 0.2552, 0.1731



14.5686, 0.2980, 0.3048



3.3703, 0.1502, 0.0605



0.2716, 0.1506, 0.0620

Inverse Universe

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



28.4605, 0.4760, 0.3284



28.7337, 0.5303, 0.3285



67.9656, 0.3455, 0.4841



15.0560, 0.3292, 0.3289



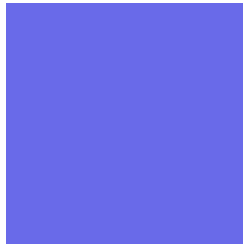
9.8330, 0.6392, 0.3295



0.7728, 0.6368, 0.3281

Previews

White Background



This preview shows how the Yxy color 19.1945, 0.2066, 0.1544 looks on a white background.

Color Contrast Check

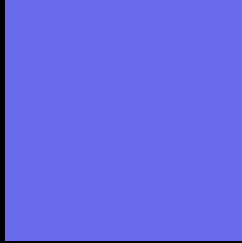
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.1945, 0.2066, 0.1544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

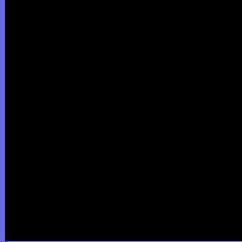
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.1945, 0.2066, 0.1544

Background



This preview shows how black text looks on a background with the Yxy color 19.1945, 0.2066, 0.1544.



This preview shows how white text looks on a background with the Yxy color 19.1945, 0.2066, 0.1544.

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

19.1945, 0.2066, 0.1544

Protanopia

19.2554, 0.1766, 0.1477

Deuteranopia

19.1238, 0.1834, 0.1800



Tritanopia

19.1983, 0.2461, 0.3085

Trichromacy



Original Color

19.1945, 0.2066, 0.1544

Protanomaly

18.6918, 0.1824, 0.1476

Deuteranomaly

18.4086, 0.1844, 0.1668

Tritanomaly

18.5697, 0.2276, 0.2342

Monochromacy



Original Color

19.1945, 0.2066, 0.1544

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.4795, 0.2640, 0.2485

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1945, 0.2066, 0.1544 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(105, 106, 233)` looks like.

```
.text, #text, p{  
    color:rgb(105, 106, 233)  
}
```

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(105, 106, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 106, 233) }
```

Border

The CSS property to change the border of an element to Yxy 19.1945, 0.2066, 0.1544 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(105, 106, 233) }
```

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

```
.border{ border-color:rgb(105, 106, 233) }
```

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

Here you see how a box with a 4 pixel rgb(105, 106, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 106, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 106, 233);  
box-shadow:4px 4px 4px 4px rgb(105, 106,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 19.1945, 0.2066, 0.1544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 106, 233) }
```

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

```
.background{ background-color: rgb(105,  
106, 233) }
```

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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