

Converting Colors

$Y_{xy}(19.4699, 0.1937, 0.1645)$

Have a look what the booklet for
Yxy(19.4699, 0.1937, 0.1645)
contains.

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Color

Yxy(19.4699, 0.1937, 0.1645)

Conversions

Conversions Part 1

Format	Color
Hex	4874E4
RGB	72, 116, 228
RGB Percent	28%, 45%, 89%
CMY	0.7174, 0.5451, 0.1058
CMYK	0.68, 0.49, 0.00, 0.11
HSL	223°, 74%, 59%
HSV	223°, 68%, 89%
XYZ	22.9260, 19.4699, 75.9622
YIQ	115.6120, -62.1760, 25.5040

Conversions

Conversions Part 2

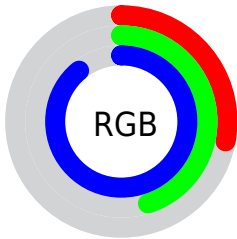
Format	Color
R _Y B	72, 106, 228
Decimal	4748516
CIE Lab	51.23, 21.45, -61.46
CIE LCh	51, 65.098, 289.236
Yxy	19.4699, 0.1937, 0.1645
Android (android.graphics.Color)	4282938596 (0xFF4874E4)
YUV	115.6120, 55.4073, -38.2477
Hunter-Lab	44.1247, 15.5253, -71.1825

Details

The Yxy color **19.4699, 0.1937, 0.1645** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **51.2816, 0.4377, 0.4459**, and the grayscale version is **17.1861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0917, 0.2306, 0.2200**, and **7.2348, 0.1688, 0.1275** is the 20% darker color. If you saturate the color by 10%, you get **15.3015, 0.1793, 0.1386**, and if you desaturate by 10%, it is **24.6300, 0.2104, 0.1918**.

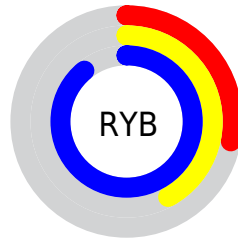
Distribution



Red (28%)

Green (45%)

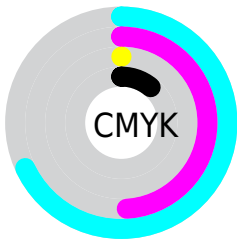
Blue (89%)



Red (28%)

Yellow (42%)

Blue (89%)

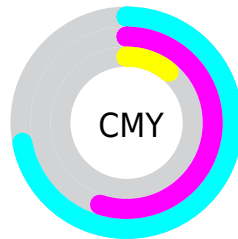


Cyan (68%)

Magenta (49%)

Yellow (0%)

Black (11%)



Cyan (72%)

Magenta (55%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.4699, 0.1937, 0.1645 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 19.4699, 0.1937, 0.1645 by changing the saturation by 10% instead.

■ 19.4699, 0.1937,
0.1645

■ 19.4699, 0.1937,
0.1645

249.0307, 0.2574,
0.2467

■ 12.0103, 0.1775,
0.1455

■ 42.5266, 0.2173,
0.1936

■ 6.7507, 0.1572,
0.1224

■ 58.8925, 0.2261,
0.2048

■ 3.3067, 0.1312,
0.0948

■ 78.9960, 0.2335,
0.2144

■ 1.2939, 0.0984,
0.0626

■ 103.2215, 0.2397,
0.2226

■ 0.1364, 0.0588,
0.0123

131.9533, 0.2451,
0.2298

■ 0.0000, 0.0000,
0.0000

165.5758, 0.2498,

0.2362

204.4735, 0.2538,
0.2417

■ 19.4699, 0.1937,
0.1645

■ 19.4699, 0.1937,
0.1645

■ 15.3015, 0.1793,
0.1386

■ 24.6300, 0.2104,
0.1918

■ 12.0501, 0.1681,
0.1154

■ 30.8447, 0.2285,
0.2193

■ 9.6229, 0.1603,
0.0961

■ 38.1732, 0.2471,
0.2458

■ 9.2956, 0.1593,
0.0934

■ 46.6695, 0.2655,
0.2706

■ 56.3838, 0.2832,
0.2933

■ 67.3634, 0.2998,
0.3137

■ 79.6528, 0.3151,
0.3317

■ 93.2945, 0.3291,
0.3476

■ 98.3825, 0.3285,
0.3552

Harmonies

Analogous

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



19.4699, 0.1416, 0.1694



19.4699, 0.1937, 0.1645



19.4699, 0.2872, 0.1886

Triad

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



19.4699, 0.1937, 0.1645



19.4699, 0.5429, 0.3788



19.4699, 0.2017, 0.4483

Complementary

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



19.4699, 0.1937, 0.1645



51.2816, 0.4377, 0.4459

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.



19.4699, 0.2985, 0.5495



19.4699, 0.1937, 0.1645



19.4699, 0.4947, 0.4601

Square

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



19.4699, 0.1937, 0.1645



19.4699, 0.5157, 0.3047



19.4699, 0.4041, 0.5355



19.4699, 0.1419, 0.3052

Rectangle

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



19.4699, 0.1937, 0.1645



19.4699, 0.3692, 0.2192



19.4699, 0.4041, 0.5355



19.4699, 0.2310, 0.4931

Sweetspot

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



19.4705, 0.1937, 0.1645



69.0863, 0.2784, 0.2873



60.3308, 0.2533, 0.3912



14.0346, 0.2736, 0.2811



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.



19.4705, 0.1937, 0.1645



17.8616, 0.1743, 0.1286



13.2989, 0.2016, 0.1205



14.5449, 0.2981, 0.3116



5.5400, 0.1600, 0.0959



0.5630, 0.1679, 0.1245

Inverse Universe

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



22.3995, 0.4759, 0.2845



24.2221, 0.5290, 0.2863



67.4654, 0.3790, 0.4992



14.4344, 0.3248, 0.3224



9.7570, 0.5820, 0.2980



0.7365, 0.5403, 0.2750

Previews

White Background



This preview shows how the Yxy color 19.4699, 0.1937, 0.1645 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 19.4699, 0.1937, 0.1645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

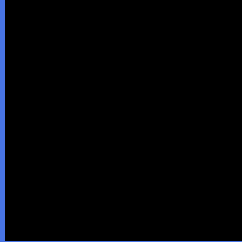
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.4699, 0.1937, 0.1645

Background



This preview shows how black text looks on a background with the Yxy color 19.4699, 0.1937, 0.1645.



This preview shows how white text looks on a background with the Yxy color 19.4699, 0.1937, 0.1645.

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

19.4699, 0.1937, 0.1645

Protanopia

19.6307, 0.1890, 0.1640

Deuteranopia

19.4773, 0.1833, 0.1797



Tritanopia

19.3723, 0.2188, 0.3077

Trichromacy



Original Color

19.4699, 0.1937, 0.1645

Protanomaly

19.4697, 0.1904, 0.1639

Deuteranomaly

19.1683, 0.1836, 0.1722

Tritanomaly

18.7531, 0.2037, 0.2405

Monochromacy



Original Color

19.4699, 0.1937, 0.1645

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.6344, 0.2527, 0.2534

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4699, 0.1937, 0.1645 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(72, 116, 228)` looks like.

```
.text, #text, p{  
    color:rgb(72, 116, 228)  
}
```

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(72, 116, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 116, 228) }
```

Border

The CSS property to change the border of an element to Yxy 19.4699, 0.1937, 0.1645 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(72, 116, 228) }
```

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

```
.border{ border-color:rgb(72, 116, 228) }
```

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

Here you see how a box with a 4 pixel rgb(72, 116, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 116, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 116, 228);  
box-shadow:4px 4px 4px 4px rgb(72, 116,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4699, 0.1937, 0.1645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 116, 228) }
```

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

```
.background{ background-color: rgb(72, 116,  
228) }
```

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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