

Converting Colors

$Yxy(19.1786, 0.2139, 0.1613)$

Have a look what the booklet for
Yxy(19.1786, 0.2139, 0.1613)
contains.

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Color

Yxy(19.1786, 0.2139, 0.1613)

Conversions

Conversions Part 1

Format	Color
Hex	6F6AE2
RGB	111, 106, 226
RGB Percent	44%, 42%, 89%
CMY	0.5647, 0.5843, 0.1139
CMYK	0.51, 0.53, 0.00, 0.11
HSL	242°, 67%, 65%
HSV	242°, 53%, 89%
XYZ	25.4327, 19.1786, 74.2888
YIQ	121.1750, -35.5400, 38.3800

Conversions

Conversions Part 2

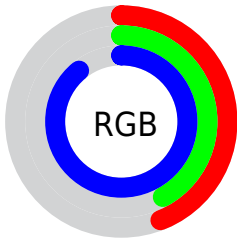
Format	Color
R_{YB}	111, 106, 226
Decimal	7301858
CIE _{Lab}	50.90, 33.85, -60.73
CIE _{LCh}	51, 69.531, 299.137
Yxy	19.1786, 0.2139, 0.1613
Android (android.graphics.Color)	4285491938 (0xFF6F6AE2)
YUV	121.1750, 51.6787, -8.9235
Hunter-Lab	43.7934, 27.0244, -69.9211

Details

The Yxy color **19.1786, 0.2139, 0.1613** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **70.7849, 0.3857, 0.4580**, and the grayscale version is **19.0195, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.7690, 0.2497, 0.2137**, and **6.6586, 0.1809, 0.1200** is the 20% darker color. If you saturate the color by 10%, you get **13.8803, 0.1938, 0.1281**, and if you desaturate by 10%, it is **26.0455, 0.2350, 0.1966**.

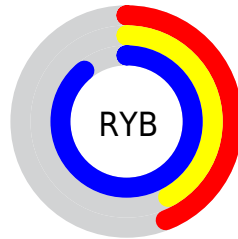
Distribution



Red (44%)

Green (42%)

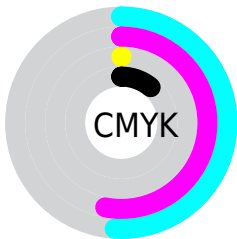
Blue (89%)



Red (44%)

Yellow (42%)

Blue (89%)

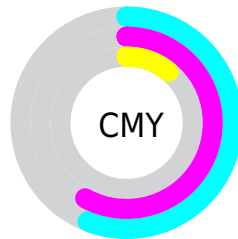


Cyan (51%)

Magenta (53%)

Yellow (0%)

Black (11%)



Cyan (56%)


Magenta (58%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.1786, 0.2139, 0.1613 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 19.1786, 0.2139, 0.1613 by changing the saturation by 10% instead.


 19.1786, 0.2139,
0.1613


 19.1786, 0.2139,
0.1613


247.4330, 0.2684,
0.2439


 11.7994, 0.1995,
0.1424


 42.0357, 0.2345,
0.1903


 6.6072, 0.1809,
0.1196


 58.2823, 0.2420,
0.2016

 3.2177, 0.1566,
0.0924

 78.2536, 0.2483,
0.2112

 1.2464, 0.1245,
0.0607

 102.3339, 0.2536,
0.2196

 0.0991, 0.0847,
0.0091

130.9076, 0.2582,
0.2268

 0.0000, 0.0000,
0.0000

164.3591, 0.2621,

0.2332

203.0727, 0.2655,
0.2389

■ 19.1786, 0.2139,
0.1613

■ 19.1786, 0.2139,
0.1613

■ 13.8803, 0.1938,
0.1281

■ 26.0455, 0.2350,
0.1966

■ 10.0250, 0.1762,
0.0996

■ 34.5895, 0.2558,
0.2315

■ 7.4711, 0.1627,
0.0782


■ 44.9117, 0.2752,
0.2646

■ 6.0475, 0.1542,
0.0653

■ 57.1047, 0.2928,
0.2946

■ 5.5498, 0.1510,
0.0605

■ 71.2545, 0.3083,
0.3214

 87.4420, 0.3219,
0.3449

 98.2692, 0.3298,
0.3572

Harmonies

Analogous

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



19.1786, 0.1464, 0.1557



19.1786, 0.2139, 0.1613



19.1786, 0.3267, 0.1955

Triad

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



19.1786, 0.2139, 0.1613



19.1786, 0.5458, 0.4047



19.1786, 0.1679, 0.4041

Complementary

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



19.1786, 0.2139, 0.1613



70.7849, 0.3857, 0.4580

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.



19.1786, 0.2586, 0.5456



19.1786, 0.2139, 0.1613



19.1786, 0.4735, 0.4928

Square

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



19.1786, 0.2139, 0.1613



19.1786, 0.5493, 0.3257



19.1786, 0.3694, 0.5653



19.1786, 0.1223, 0.2615

Rectangle

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



19.1786, 0.2139, 0.1613



19.1786, 0.4180, 0.2325



19.1786, 0.3694, 0.5653



19.1786, 0.1937, 0.4586

Sweetspot

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



19.1792, 0.2139, 0.1613



69.9975, 0.2877, 0.2859



60.7800, 0.2438, 0.3236



14.2606, 0.2841, 0.2797



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.



19.1792, 0.2139, 0.1613



17.4689, 0.1912, 0.1239



24.3445, 0.2635, 0.1809



13.2703, 0.2987, 0.3048



3.1798, 0.1514, 0.0607



0.2301, 0.1553, 0.0629

Inverse Universe

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



31.6935, 0.3236, 0.2069



35.6704, 0.3259, 0.1874



63.0962, 0.3405, 0.4807



13.9253, 0.3144, 0.3068



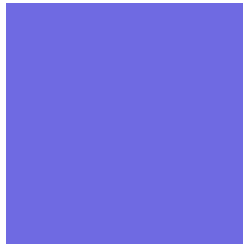
12.0752, 0.3316, 0.1600



0.8401, 0.3298, 0.1590

Previews

White Background



This preview shows how the Yxy color 19.1786, 0.2139, 0.1613 looks on a white background.

Color Contrast Check

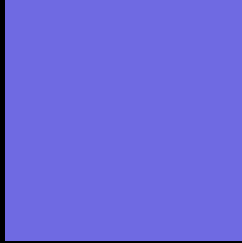
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.1786, 0.2139, 0.1613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

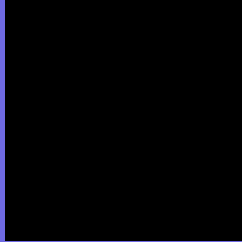
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.1786, 0.2139, 0.1613

Background



This preview shows how black text looks on a background with the Yxy color 19.1786, 0.2139, 0.1613.



This preview shows how white text looks on a background with the Yxy color 19.1786, 0.2139, 0.1613.

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

19.1786, 0.2139, 0.1613

Protanopia

19.4178, 0.1824, 0.1555

Deuteranopia

19.2279, 0.1828, 0.1781



Tritanopia

19.1581, 0.2574, 0.3089

Trichromacy



Original Color

19.1786, 0.2139, 0.1613

Protanomaly

18.9955, 0.1902, 0.1561

Deuteranomaly

18.3942, 0.1852, 0.1679

Tritanomaly

18.7149, 0.2384, 0.2400

Monochromacy



Original Color

19.1786, 0.2139, 0.1613

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.7759, 0.2681, 0.2537

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1786, 0.2139, 0.1613 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(111, 106, 226)` looks like.

```
.text, #text, p{  
    color:rgb(111, 106, 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(111, 106, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 106, 226) }
```

Border

The CSS property to change the border of an element to Yxy 19.1786, 0.2139, 0.1613 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(111, 106, 226) }
```

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

```
.border{ border-color:rgb(111, 106, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 106, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(111, 106, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(111, 106, 226); box-shadow:4px 4px 4px 4px rgb(111, 106, 226) }
```


Background

The CSS property to change the background color of an element to Yxy 19.1786, 0.2139, 0.1613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 106, 226) }
```

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

```
.background{ background-color: rgb(111,  
106, 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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