

Converting Colors

$Y_{xy}(19.5690, 0.2230, 0.1721)$

Have a look what the booklet for
Yxy(19.5690, 0.2230, 0.1721)
contains.

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Color

Yxy(19.5690, 0.2230, 0.1721)

Conversions

Conversions Part 1

Format	Color
Hex	756CDA
RGB	117, 108, 218
RGB Percent	46%, 42%, 85%
CMY	0.5411, 0.5765, 0.1450
CMYK	0.46, 0.50, 0.00, 0.15
HSL	245°, 60%, 64%
HSV	245°, 50%, 85%
XYZ	25.3567, 19.5690, 68.7815
YIQ	123.2310, -29.9460, 36.1180

Conversions

Conversions Part 2

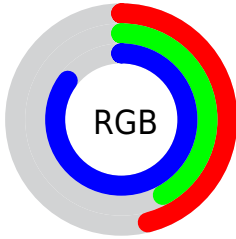
Format	Color
RYB	117, 108, 218
Decimal	7695578
CIELab	51.35, 31.59, -55.49
CIELCh	51, 63.853, 299.651
Yxy	19.5690, 0.2230, 0.1721
Android (android.graphics.Color)	4285885658 (0xFF756CDA)
YUV	123.2310, 46.7211, -5.4646
Hunter-Lab	44.2369, 24.9022, -61.2209

Details

The Yxy color **19.5690, 0.2230, 0.1721** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **64.7880, 0.3789, 0.4540**, and the grayscale version is **19.7388, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.3603, 0.2537, 0.2183**, and **6.7399, 0.1916, 0.1307** is the 20% darker color. If you saturate the color by 10%, you get **14.2907, 0.2028, 0.1385**, and if you desaturate by 10%, it is **26.2945, 0.2435, 0.2070**.

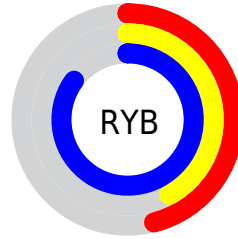
Distribution



Red (46%)

Green (42%)

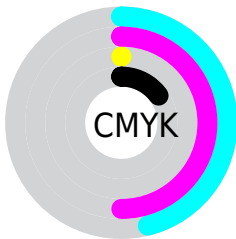
Blue (85%)



Red (46%)

Yellow (42%)

Blue (85%)

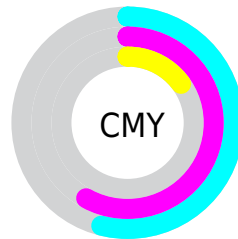


Cyan (46%)

Magenta (50%)

Yellow (0%)

Black (15%)



Cyan (54%)


Magenta (58%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.5690, 0.2230, 0.1721 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 19.5690, 0.2230, 0.1721 by changing the saturation by 10% instead.


 19.5690, 0.2230,
0.1721


 19.5690, 0.2230,
0.1721


249.5722, 0.2729,
0.2505


 12.0821, 0.2095,
0.1537


 42.6934, 0.2420,
0.2000

 6.7996, 0.1920,
0.1312


 59.0997, 0.2489,
0.2107

 3.3371, 0.1685,
0.1036

 79.2480, 0.2547,
0.2198

 1.3102, 0.1367,
0.0706

 103.5226, 0.2595,
0.2276

 0.1491, 0.0959,
0.0156

132.3079, 0.2636,
0.2345

 0.0000, 0.0000,
0.0000

165.9883, 0.2671,

0.2405

204.9483, 0.2702,
0.2458

■ 19.5690, 0.2230,
0.1721

■ 19.5690, 0.2230,
0.1721

■ 14.2907, 0.2028,
0.1385

■ 26.2945, 0.2435,
0.2070

■ 10.3512, 0.1843,
0.1086

■ 34.5611, 0.2633,
0.2412

■ 7.6300, 0.1691,
0.0849


■ 44.4567, 0.2815,
0.2731


■ 5.9840, 0.1583,
0.0692

■ 56.0625, 0.2978,
0.3021

■ 5.1903, 0.1523,
0.0612

■ 69.4538, 0.3121,
0.3279

 84.7018, 0.3245,
0.3505

 97.8428, 0.3345,
0.3651

Harmonies

Analogous

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



19.5690, 0.1578, 0.1666



19.5690, 0.2230, 0.1721



19.5690, 0.3285, 0.2052

Triad

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



19.5690, 0.2230, 0.1721



19.5690, 0.5296, 0.4062



19.5690, 0.1784, 0.3954

Complementary

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



19.5690, 0.2230, 0.1721



64.7880, 0.3789, 0.4540

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.



19.5690, 0.2639, 0.5221



19.5690, 0.2230, 0.1721



19.5690, 0.4647, 0.4870

Square

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



19.5690, 0.2230, 0.1721



19.5690, 0.5308, 0.3304



19.5690, 0.3681, 0.5471



19.5690, 0.1343, 0.2671

Rectangle

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



19.5690, 0.2230, 0.1721



19.5690, 0.4117, 0.2407



19.5690, 0.3681, 0.5471



19.5690, 0.2029, 0.4436

Sweetspot

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



19.5697, 0.2230, 0.1721



71.9151, 0.2904, 0.2890



54.6811, 0.2453, 0.3190



14.6479, 0.2869, 0.2827



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.



19.5697, 0.2230, 0.1721



19.6878, 0.2007, 0.1350



24.3704, 0.2703, 0.1900



12.6680, 0.2994, 0.3049



3.1278, 0.1528, 0.0615



0.2208, 0.1608, 0.0659

Inverse Universe

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



30.2346, 0.3276, 0.2163



36.6944, 0.3314, 0.1967



58.2690, 0.3370, 0.4739



13.2555, 0.3150, 0.3078



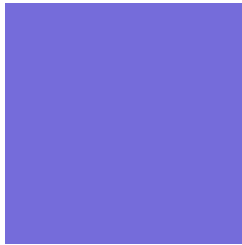
11.4392, 0.3426, 0.1661



0.7467, 0.3386, 0.1639

Previews

White Background



This preview shows how the Yxy color 19.5690, 0.2230, 0.1721 looks on a white background.

Color Contrast Check

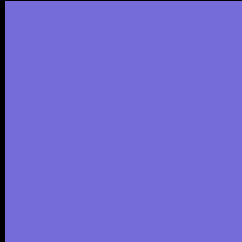
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.5690, 0.2230, 0.1721 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 19.5690, 0.2230, 0.1721

Background



This preview shows how black text looks on a background with the Yxy color 19.5690, 0.2230, 0.1721.



This preview shows how white text looks on a background with the Yxy color 19.5690, 0.2230, 0.1721.

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

19.5690, 0.2230, 0.1721

Protanopia

19.6708, 0.1904, 0.1652

Deuteranopia

19.7839, 0.1910, 0.1858



Tritanopia

19.4466, 0.2671, 0.3075

Trichromacy



Original Color

19.5690, 0.2230, 0.1721

Protanomaly

19.3099, 0.1994, 0.1661

Deuteranomaly

19.1653, 0.1982, 0.1786

Tritanomaly

19.1065, 0.2484, 0.2461

Monochromacy



Original Color

19.5690, 0.2230, 0.1721

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.4904, 0.2736, 0.2597

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5690, 0.2230, 0.1721 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(117, 108, 218)` looks like.

```
.text, #text, p{  
    color:rgb(117, 108, 218)  
}
```

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(117, 108, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 108, 218) }
```

Border

The CSS property to change the border of an element to Yxy 19.5690, 0.2230, 0.1721 is called "border". The border property can be set on classes, ids or directly on the HTML element.

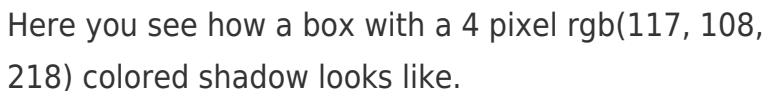
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 108, 218) }
```

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

```
.border{ border-color:rgb(117, 108, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 108, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 108, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 108, 218); box-shadow:4px 4px 4px 4px rgb(117, 108, 218) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5690, 0.2230, 0.1721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 108, 218) }
```

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

```
.background{ background-color: rgb(117,  
108, 218) }
```

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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