

Converting Colors

$Y_{xy}(22.3048, 0.2291, 0.2167)$

Have a look what the booklet for
Yxy(22.3048, 0.2291, 0.2167)
contains.

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Color

Yxy(22.1858, 0.2286, 0.2159)

Conversions

Conversions Part 1

Format	Color
Hex	677FC7
RGB	103, 127, 199
RGB Percent	40%, 50%, 78%
CMY	0.5961, 0.5019, 0.2196
CMYK	0.48, 0.36, 0.00, 0.22
HSL	225°, 46%, 59%
HSV	225°, 48%, 78%
XYZ	23.4908, 22.1858, 57.0830
YIQ	128.0320, -37.4160, 17.3040

Conversions

Conversions Part 2

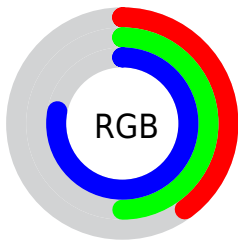
Format	Color
R_{YB}	103, 122, 199
Decimal	6782919
CIE _{Lab}	54.22, 11.09, -40.19
CIE _{LCh}	54, 41.694, 285.427
Yxy	22.1858, 0.2286, 0.2159
Android (android.graphics.Color)	4284972999 (0xFF677FC7)
YUV	128.0320, 34.9872, -21.9531
Hunter-Lab	47.1018, 6.5943, -38.8826

Details

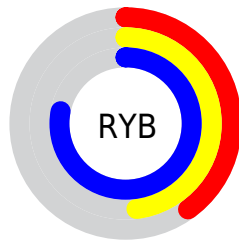
The Yxy color **22.1858, 0.2286, 0.2159** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **43.7784, 0.3966, 0.4201**, and the grayscale version is **21.4837, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.8311, 0.2468, 0.2385**, and **8.0740, 0.1996, 0.1798** is the 20% darker color. If you saturate the color by 10%, you get **17.5732, 0.2102, 0.1876**, and if you desaturate by 10%, it is **27.6509, 0.2474, 0.2433**.

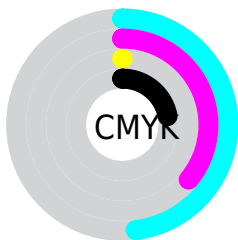
Distribution



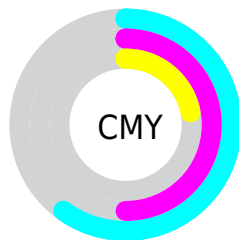
- Red (40%)
- Green (50%)
- Blue (78%)



- Red (40%)
- Yellow (48%)
- Blue (78%)



- Cyan (48%)
- Magenta (36%)
- Yellow (0%)
- Black (22%)



- Cyan (60%)
- Magenta (50%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.1858, 0.2286, 0.2159 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 22.1858, 0.2286, 0.2159 by changing the saturation by 10% instead.

■ 22.1858, 0.2286,
0.2159

■ 22.1858, 0.2286,
0.2159

■ 263.5150, 0.2744,
0.2752

■ 13.9935, 0.2162,
0.2007

■ 47.0529, 0.2460,
0.2379

■ 8.1161, 0.2000,
0.1811

■ 64.4965, 0.2523,
0.2460

■ 4.1694, 0.1779,
0.1554

■ 85.7926, 0.2576,
0.2529

■ 1.7687, 0.1469,
0.1210

■ 111.3256, 0.2620,
0.2587

■ 0.4676, 0.1031,
0.0674

■ 141.4800, 0.2658,
0.2637

■ 0.0000, 0.0000,
0.0000

176.6401, 0.2690,

0.2680

217.1903, 0.2719,
0.2718

■ 22.1858, 0.2286,
0.2159

■ 22.1858, 0.2286,
0.2159

■ 17.5732, 0.2102,
0.1876

■ 27.6509, 0.2474,
0.2433

■ 13.7656, 0.1932,
0.1596

■ 34.0079, 0.2659,
0.2689

■ 10.7140, 0.1785,
0.1332

■ 41.2964, 0.2836,
0.2924

■ 8.3624, 0.1670,
0.1100

■ 49.5527, 0.3001,
0.3134

■ 6.6374, 0.1590,
0.0910

■ 58.8114, 0.3153,
0.3321

■ 6.3866, 0.1578,
0.0881

■ 69.1051, 0.3291,
0.3485

■ 80.4651, 0.3415,
0.3628

■ 91.5315, 0.3477,
0.3761

■ 96.9040, 0.3460,
0.3840

Harmonies

Analogous

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



22.1858, 0.1928, 0.2254



22.1858, 0.2286, 0.2159



22.1858, 0.2898, 0.2303

Triad

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



22.1858, 0.2286, 0.2159



22.1858, 0.4606, 0.3674



22.1858, 0.2527, 0.4084

Complementary

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



22.1858, 0.2286, 0.2159



43.7784, 0.3966, 0.4201

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.



22.1858, 0.3210, 0.4604



22.1858, 0.2286, 0.2159



22.1858, 0.4432, 0.4210

Square

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



22.1858, 0.2286, 0.2159



22.1858, 0.4320, 0.3127



22.1858, 0.3908, 0.4599



22.1858, 0.2042, 0.3294

Rectangle

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



22.1858, 0.2286, 0.2159



22.1858, 0.3402, 0.2512



22.1858, 0.3908, 0.4599



22.1858, 0.2741, 0.4309

Sweetspot

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



22.1866, 0.2286, 0.2159



77.9402, 0.2904, 0.3012



46.7671, 0.2638, 0.3672



16.0217, 0.2868, 0.2964



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.



22.1866, 0.2286, 0.2159



30.3279, 0.2091, 0.1859



18.2107, 0.2411, 0.1855



10.7114, 0.2983, 0.3112



4.2253, 0.1584, 0.0903



0.3194, 0.1701, 0.1322

Inverse Universe

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



23.3733, 0.4106, 0.2977



33.8128, 0.4459, 0.2925



51.1313, 0.3634, 0.4542



10.6797, 0.3251, 0.3232



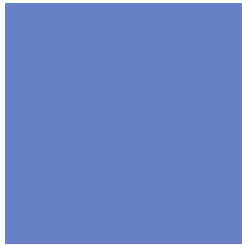
7.9665, 0.5908, 0.3028



0.3893, 0.5296, 0.2691

Previews

White Background



This preview shows how the Yxy color 22.1858, 0.2286, 0.2159 looks on a white background.

Color Contrast Check

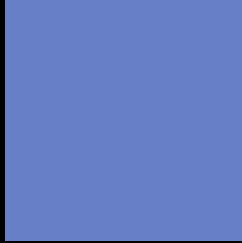
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1858, 0.2286, 0.2159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

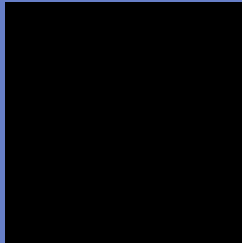
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.1858, 0.2286, 0.2159

Background



This preview shows how black text looks on a background with the Yxy color 22.1858, 0.2286, 0.2159.



This preview shows how white text looks on a background with the Yxy color 22.1858, 0.2286, 0.2159.

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

22.1858, 0.2286, 0.2159

Protanopia

22.1858, 0.2286, 0.2159

Deuteranopia

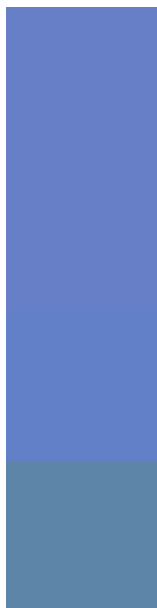
22.2569, 0.2237, 0.2177



Tritanopia

22.1041, 0.2553, 0.3081

Trichromacy



Original Color

22.1858, 0.2286, 0.2159

Protanomaly

22.1858, 0.2286, 0.2159

Deuteranomaly

22.1585, 0.2254, 0.2166

Tritanomaly

21.8922, 0.2439, 0.2686

Monochromacy



Original Color

22.1858, 0.2286, 0.2159

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.6934, 0.2766, 0.2836

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1858, 0.2286, 0.2159 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(103, 127, 199)` looks like.

```
.text, #text, p{  
    color:rgb(103, 127, 199)  
}
```

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(103, 127, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 127, 199) }
```

Border

The CSS property to change the border of an element to Yxy 22.1858, 0.2286, 0.2159 is called "border". The border property can be set on classes, ids or directly on the HTML element.

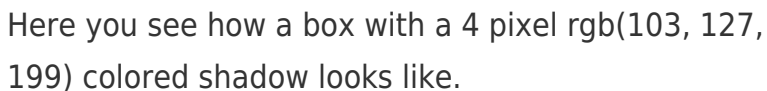
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(103, 127, 199) }
```

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

```
.border{ border-color:rgb(103, 127, 199) }
```

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



Here you see how a box with a 4 pixel `rgb(103, 127, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 127, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 127, 199); box-shadow:4px 4px 4px 4px rgb(103, 127, 199) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1858, 0.2286, 0.2159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 127, 199) }
```

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

```
.background{ background-color: rgb(103,  
127, 199) }
```

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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