

Converting Colors

$Y_{xy}(22.1132, 0.2363, 0.2145)$

Have a look what the booklet for
Yxy(22.1132, 0.2363, 0.2145)
contains.

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Color

Yxy(22.0699, 0.2367, 0.2147)

Conversions

Conversions Part 1

Format	Color
Hex	727CC6
RGB	114, 124, 198
RGB Percent	45%, 49%, 78%
CMY	0.5532, 0.5136, 0.2236
CMYK	0.42, 0.37, 0.00, 0.22
HSL	233°, 42%, 61%
HSV	233°, 42%, 78%
XYZ	24.3314, 22.0699, 56.3929
YIQ	129.4460, -29.7140, 20.8940

Conversions

Conversions Part 2

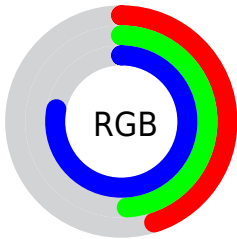
Format	Color
R_{YB}	114, 123, 198
Decimal	7503046
CIE _{Lab}	54.10, 15.32, -39.75
CIE _{LCh}	54, 42.600, 291.074
Yxy	22.0699, 0.2367, 0.2147
Android (android.graphics.Color)	4285693126 (0xFF727CC6)
YUV	129.4460, 33.7971, -13.5461
Hunter-Lab	46.9786, 10.2369, -38.2864

Details

The Yxy color **22.0699, 0.2367, 0.2147** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **49.1354, 0.3802, 0.4219**, and the grayscale version is **22.0012, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.7057, 0.2527, 0.2363**, and **8.0064, 0.2099, 0.1785** is the 20% darker color. If you saturate the color by 10%, you get **16.8962, 0.2165, 0.1826**, and if you desaturate by 10%, it is **28.3039, 0.2567, 0.2457**.

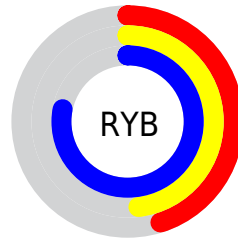
Distribution



Red (45%)

Green (49%)

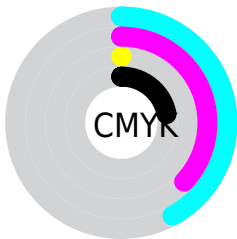
Blue (78%)



Red (45%)

Yellow (48%)

Blue (78%)

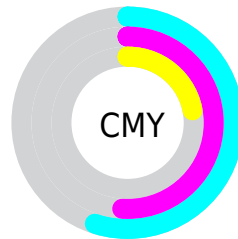


Cyan (42%)

Magenta (37%)

Yellow (0%)

Black (22%)



Cyan (55%)

Magenta (51%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.0699, 0.2367, 0.2147 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 22.0699, 0.2367, 0.2147 by changing the saturation by 10% instead.

■ 22.0699, 0.2367,
0.2147

■ 22.0699, 0.2367,
0.2147

262.9111, 0.2785,
0.2743

■ 13.9083, 0.2252,
0.1995

■ 46.8615, 0.2527,
0.2367

■ 8.0569, 0.2101,
0.1799

■ 64.2603, 0.2585,
0.2449

■ 4.1314, 0.1892,
0.1543

■ 85.5068, 0.2632,
0.2518

■ 1.7473, 0.1596,
0.1201

110.9857, 0.2673,
0.2576

■ 0.4540, 0.1173,
0.0661

141.0811, 0.2707,
0.2627

■ 0.0000, 0.0000,
0.0000

176.1776, 0.2737,

0.2671

216.6594, 0.2762,
0.2709

■ 22.0699, 0.2367,
0.2147

■ 22.0699, 0.2367,
0.2147

■ 16.8962, 0.2165,
0.1826

■ 28.3039, 0.2567,
0.2457

■ 12.7210, 0.1972,
0.1508

■ 35.6503, 0.2757,
0.2745

■ 9.4798, 0.1800,
0.1215

■ 44.1609, 0.2932,
0.3006

■ 7.0995, 0.1662,
0.0967

■ 53.8834, 0.3091,
0.3238

■ 5.4958, 0.1568,
0.0780

■ 64.8627, 0.3232,
0.3441

■ 4.7206, 0.1524,
0.0684

■ 77.1418, 0.3357,
0.3617

■ 90.7611, 0.3467,
0.3770

■ 96.8564, 0.3466,
0.3850

Harmonies

Analogous

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



22.0699, 0.1952, 0.2194



22.0699, 0.2367, 0.2147



22.0699, 0.3032, 0.2335

Triad

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



22.0699, 0.2367, 0.2147



22.0699, 0.4640, 0.3784



22.0699, 0.2399, 0.3959

Complementary

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



22.0699, 0.2367, 0.2147



49.1354, 0.3802, 0.4219

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.



22.0699, 0.3070, 0.4578



22.0699, 0.2367, 0.2147



22.0699, 0.4380, 0.4318

Square

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



22.0699, 0.2367, 0.2147



22.0699, 0.4439, 0.3224



22.0699, 0.3796, 0.4668



22.0699, 0.1958, 0.3145

Rectangle

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



22.0699, 0.2367, 0.2147



22.0699, 0.3557, 0.2571



22.0699, 0.3796, 0.4668



22.0699, 0.2605, 0.4210

Sweetspot

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



22.0707, 0.2367, 0.2147



77.0269, 0.2920, 0.2988



47.5314, 0.2618, 0.3450



15.7324, 0.2882, 0.2931



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.



22.0707, 0.2367, 0.2147



30.4991, 0.2179, 0.1848



22.0923, 0.2622, 0.2081



10.4893, 0.2983, 0.3080



3.1378, 0.1527, 0.0697



0.2186, 0.1604, 0.0973

Inverse Universe

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



25.4782, 0.4082, 0.3158



37.8249, 0.4420, 0.3134



49.8270, 0.3485, 0.4430



10.6573, 0.3271, 0.3263



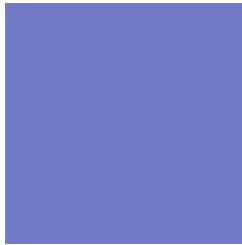
7.8568, 0.6237, 0.3209



0.3791, 0.5800, 0.2969

Previews

White Background



This preview shows how the Yxy color 22.0699, 0.2367, 0.2147 looks on a white background.

Color Contrast Check

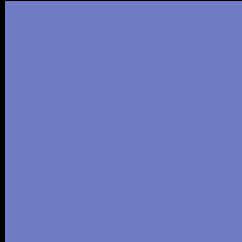
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0699, 0.2367, 0.2147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

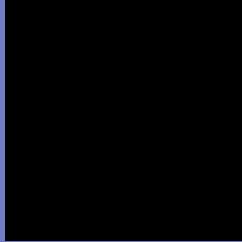
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.0699, 0.2367, 0.2147

Background



This preview shows how black text looks on a background with the Yxy color 22.0699, 0.2367, 0.2147.

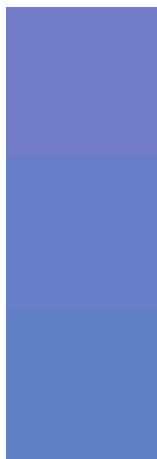


This preview shows how white text looks on a background with the Yxy color 22.0699, 0.2367, 0.2147.

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

22.0699, 0.2367, 0.2147

Protanopia

22.1737, 0.2273, 0.2145

Deuteranopia

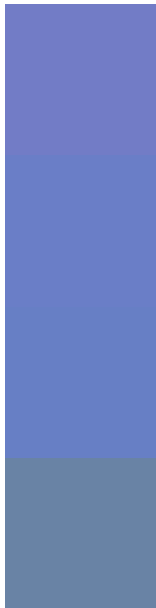
22.2185, 0.2255, 0.2202



Tritanopia

22.1126, 0.2666, 0.3085

Trichromacy



Original Color

22.0699, 0.2367, 0.2147

Protanomaly

22.1094, 0.2305, 0.2149

Deuteranomaly

22.0935, 0.2298, 0.2183

Tritanomaly

21.9525, 0.2546, 0.2696

Monochromacy



Original Color

22.0699, 0.2367, 0.2147

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.7969, 0.2817, 0.2825

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0699, 0.2367, 0.2147 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(114, 124, 198)` looks like.

```
.text, #text, p{  
    color:rgb(114, 124, 198)  
}
```

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(114, 124, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 124, 198) }
```

Border

The CSS property to change the border of an element to Yxy 22.0699, 0.2367, 0.2147 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(114, 124, 198) }
```

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

```
.border{ border-color:rgb(114, 124, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 124, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 124, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 124, 198);  
box-shadow:4px 4px 4px 4px rgb(114, 124,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0699, 0.2367, 0.2147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 124, 198) }
```

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

```
.background{ background-color: rgb(114,  
124, 198) }
```

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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