

Converting Colors

$Y_{xy}(22.2416, 0.2335, 0.2183)$

Have a look what the booklet for
Yxy(22.2416, 0.2335, 0.2183)
contains.

Yxy(22.1411, 0.2332, 0.2177)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(22.1411, 0.2332, 0.2177)

Conversions

Conversions Part 1

Format	Color
Hex	6C7EC5
RGB	108, 126, 197
RGB Percent	42%, 49%, 77%
CMY	0.5767, 0.5058, 0.2275
CMYK	0.45, 0.36, 0.00, 0.23
HSL	228°, 43%, 60%
HSV	228°, 45%, 77%
XYZ	23.7175, 22.1411, 55.8460
YIQ	128.7120, -33.5190, 18.2650

Conversions

Conversions Part 2

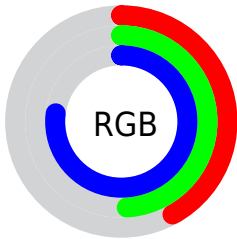
Format	Color
R _{YB}	108, 123, 197
Decimal	7110341
CIE _{Lab}	54.18, 12.30, -39.10
CIE _{LCh}	54, 40.989, 287.463
Y _{xy}	22.1411, 0.2332, 0.2177
Android (android.graphics.Color)	4285300421 (0xFF6C7EC5)
Y _{UV}	128.7120, 33.6660, -18.1644
Hunter-Lab	47.0543, 7.6270, -37.4298

Details

The Yxy color **22.1411, 0.2332, 0.2177** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **45.1613, 0.3885, 0.4194**, and the grayscale version is **21.7333, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.7831, 0.2497, 0.2388**, and **8.0478, 0.2055, 0.1821** is the 20% darker color. If you saturate the color by 10%, you get **17.3379, 0.2140, 0.1880**, and if you desaturate by 10%, it is **27.8552, 0.2525, 0.2463**.

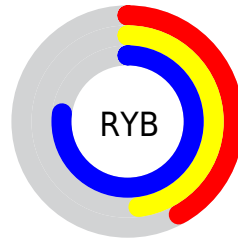
Distribution



Red (42%)

Green (49%)

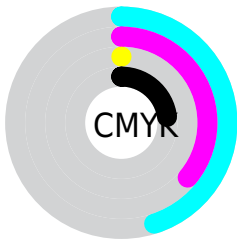
Blue (77%)



Red (42%)

Yellow (48%)

Blue (77%)

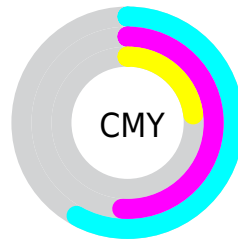


Cyan (45%)

Magenta (36%)

Yellow (0%)

Black (23%)



Cyan (58%)

Magenta (51%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.1411, 0.2332, 0.2177 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 22.1411, 0.2332, 0.2177 by changing the saturation by 10% instead.

■ 22.1411, 0.2332,
0.2177

■ 22.1411, 0.2332,
0.2177

263.2822, 0.2767,
0.2761

■ 13.9606, 0.2214,
0.2027

■ 46.9791, 0.2498,
0.2394

■ 8.0933, 0.2057,
0.1833

■ 64.4054, 0.2558,
0.2474

■ 4.1547, 0.1843,
0.1578

■ 85.6824, 0.2608,
0.2541

■ 1.7605, 0.1539,
0.1235

■ 111.1946, 0.2650,
0.2598

■ 0.4624, 0.1105,
0.0691

141.3262, 0.2686,
0.2648

■ 0.0000, 0.0000,
0.0000

176.4618, 0.2716,

0.2690

216.9857, 0.2743,
0.2728

■ 22.1411, 0.2332,
0.2177

■ 22.1411, 0.2332,
0.2177

■ 17.3379, 0.2140,
0.1880

■ 27.8552, 0.2525,
0.2463

■ 13.3949, 0.1960,
0.1585

■ 34.5224, 0.2711,
0.2729

■ 10.2597, 0.1801,
0.1308

■ 42.1852, 0.2887,
0.2971

■ 7.8730, 0.1674,
0.1065

■ 50.8828, 0.3049,
0.3188

■ 6.1662, 0.1586,
0.0871

■ 60.6521, 0.3196,
0.3378

■ 5.5477, 0.1555,
0.0796

■ 71.5283, 0.3328,
0.3545

■ 83.5449, 0.3446,
0.3690

■ 94.6796, 0.3479,
0.3829

■ 96.8112, 0.3472,
0.3860

Harmonies

Analogous

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



22.1411, 0.1960, 0.2255



22.1411, 0.2332, 0.2177



22.1411, 0.2950, 0.2333

Triad

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



22.1411, 0.2332, 0.2177



22.1411, 0.4585, 0.3709



22.1411, 0.2497, 0.4021

Complementary

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



22.1411, 0.2332, 0.2177



45.1613, 0.3885, 0.4194

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.



22.1411, 0.3162, 0.4562



22.1411, 0.2332, 0.2177



22.1411, 0.4387, 0.4231

Square

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



22.1411, 0.2332, 0.2177



22.1411, 0.4334, 0.3166



22.1411, 0.3855, 0.4594



22.1411, 0.2035, 0.3243

Rectangle

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



22.1411, 0.2332, 0.2177



22.1411, 0.3450, 0.2548



22.1411, 0.3855, 0.4594



22.1411, 0.2704, 0.4248

Sweetspot

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



22.1419, 0.2332, 0.2177



77.0167, 0.2904, 0.2994



46.3191, 0.2636, 0.3575



15.7992, 0.2867, 0.2944



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.



22.1419, 0.2332, 0.2177



31.3495, 0.2148, 0.1892



19.7449, 0.2509, 0.1971



10.6304, 0.2983, 0.3100



3.7461, 0.1560, 0.0814



0.2828, 0.1667, 0.1201

Inverse Universe

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



24.0899, 0.4073, 0.3052



36.1046, 0.4399, 0.3010



49.7578, 0.3568, 0.4480



10.6716, 0.3258, 0.3243



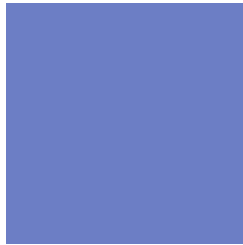
7.9182, 0.6047, 0.3105



0.3856, 0.5464, 0.2784

Previews

White Background



This preview shows how the Yxy color 22.1411, 0.2332, 0.2177 looks on a white background.

Color Contrast Check

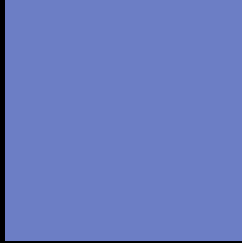
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1411, 0.2332, 0.2177 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 22.1411, 0.2332, 0.2177

Background



This preview shows how black text looks on a background with the Yxy color 22.1411, 0.2332, 0.2177.

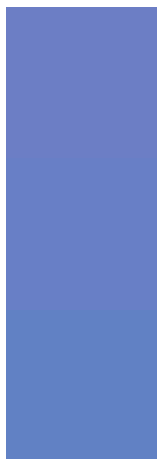


This preview shows how white text looks on a background with the Yxy color 22.1411, 0.2332, 0.2177.

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

22.1411, 0.2332, 0.2177

Protanopia

22.1990, 0.2299, 0.2173

Deuteranopia

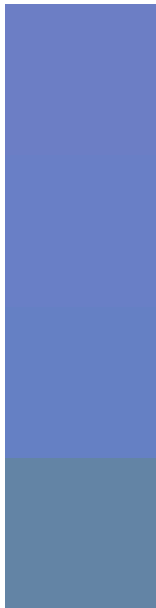
22.2274, 0.2268, 0.2216



Tritanopia

22.0946, 0.2608, 0.3083

Trichromacy



Original Color

22.1411, 0.2332, 0.2177

Protanomaly

22.2592, 0.2307, 0.2175

Deuteranomaly

22.1906, 0.2293, 0.2207

Tritanomaly

21.8718, 0.2498, 0.2706

Monochromacy



Original Color

22.1411, 0.2332, 0.2177

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.8364, 0.2787, 0.2838

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1411, 0.2332, 0.2177 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(108, 126, 197)` looks like.

```
.text, #text, p{  
    color:rgb(108, 126, 197)  
}
```

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(108, 126, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 126, 197) }
```

Border

The CSS property to change the border of an element to Yxy 22.1411, 0.2332, 0.2177 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(108, 126, 197) }
```

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

```
.border{ border-color:rgb(108, 126, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 126, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 126, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 126, 197);  
box-shadow:4px 4px 4px 4px rgb(108, 126,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1411, 0.2332, 0.2177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 126, 197) }
```

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

```
.background{ background-color: rgb(108,  
126, 197) }
```

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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