

Converting Colors

$Y_{xy}(21.2133, 0.2407, 0.2123)$

Have a look what the booklet for
Yxy(21.2133, 0.2407, 0.2123)
contains.

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Color

Yxy(21.2246, 0.2410, 0.2128)

Conversions

Conversions Part 1

Format	Color
Hex	7678C3
RGB	118, 120, 195
RGB Percent	46%, 47%, 76%
CMY	0.5374, 0.5294, 0.2352
CMYK	0.40, 0.38, 0.00, 0.24
HSL	238°, 39%, 61%
HSV	238°, 40%, 76%
XYZ	24.0373, 21.2246, 54.4778
YIQ	127.9520, -25.2670, 22.9010

Conversions

Conversions Part 2

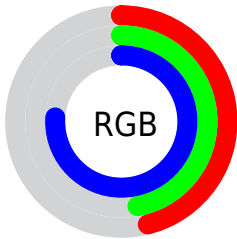
Format	Color
R_{YB}	118, 120, 195
Decimal	7764163
CIE _{Lab}	53.19, 17.94, -39.47
CIE _{LCh}	53, 43.360, 294.442
Yxy	21.2246, 0.2410, 0.2128
Android (android.graphics.Color)	4285954243 (0xFF7678C3)
YUV	127.9520, 33.0547, -8.7279
Hunter-Lab	46.0702, 12.5102, -37.8611

Details

The Yxy color $21.2246, 0.2410, 0.2128$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $51.0506, 0.3721, 0.4236$, and the grayscale version is $21.4578, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.4176, 0.2565, 0.2351$, and $7.6816, 0.2155, 0.1779$ is the 20% darker color. If you saturate the color by 10%, you get $15.8752, 0.2198, 0.1781$, and if you desaturate by 10%, it is $27.7633, 0.2616, 0.2464$.

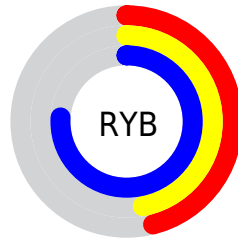
Distribution



Red (46%)

Green (47%)

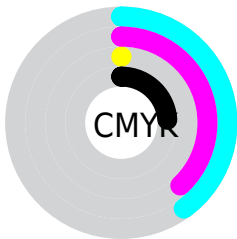
Blue (76%)



Red (46%)

Yellow (47%)

Blue (76%)

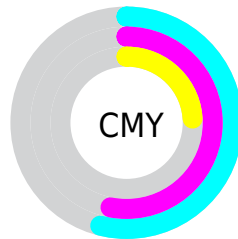


Cyan (40%)

Magenta (38%)

Yellow (0%)

Black (24%)



Cyan (54%)

Magenta (53%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.2246, 0.2410, 0.2128 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 21.2246, 0.2410, 0.2128 by changing the saturation by 10% instead.

■ 21.2246, 0.2410,
0.2128

■ 21.2246, 0.2410,
0.2128

■ 258.4697, 0.2809,
0.2735

■ 13.2883, 0.2299,
0.1973

■ 45.4610, 0.2564,
0.2353

■ 7.6274, 0.2151,
0.1773

■ 62.5299, 0.2619,
0.2436

■ 3.8574, 0.1945,
0.1512

■ 83.4118, 0.2665,
0.2506

■ 1.5941, 0.1648,
0.1162

■ 108.4911, 0.2703,
0.2565

■ 0.3536, 0.1223,
0.0559

■ 138.1521, 0.2735,
0.2617

■ 0.0000, 0.0000,
0.0000

172.7793, 0.2763,

0.2661

212.7570, 0.2787,
0.2700

■ 21.2246, 0.2410,
0.2128

■ 21.2246, 0.2410,
0.2128

■ 15.8752, 0.2198,
0.1781

■ 27.7633, 0.2616,
0.2464

■ 11.6416, 0.1992,
0.1441

■ 35.5544, 0.2808,
0.2775

■ 8.4454, 0.1808,
0.1134

■ 44.6593, 0.2981,
0.3054

■ 6.1974, 0.1660,
0.0885

■ 55.1347, 0.3134,
0.3301

■ 4.7933, 0.1560,
0.0712

■ 67.0340, 0.3268,
0.3516

■ 4.0797, 0.1507,
0.0619

■ 80.4077, 0.3384,
0.3702

■ 4.0535, 0.1504,
0.0615

■ 95.3039, 0.3485,
0.3861

■ 96.7215, 0.3484,
0.3879

Harmonies

Analogous

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



21.2246, 0.1955, 0.2146



21.2246, 0.2410, 0.2128



21.2246, 0.3117, 0.2345

Triad

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



21.2246, 0.2410, 0.2128



21.2246, 0.4676, 0.3857



21.2246, 0.2312, 0.3887

Complementary

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



21.2246, 0.2410, 0.2128



51.0506, 0.3721, 0.4236

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.



21.2246, 0.2981, 0.4575



21.2246, 0.2410, 0.2128



21.2246, 0.4358, 0.4397

Square

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



21.2246, 0.2410, 0.2128



21.2246, 0.4528, 0.3281



21.2246, 0.3730, 0.4728



21.2246, 0.1894, 0.3050

Rectangle

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



21.2246, 0.2410, 0.2128



21.2246, 0.3660, 0.2599



21.2246, 0.3730, 0.4728



21.2246, 0.2513, 0.4158

Sweetspot

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



21.2254, 0.2410, 0.2128



75.3635, 0.2936, 0.2983



46.7199, 0.2602, 0.3325



16.0162, 0.2914, 0.2946



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.



21.2254, 0.2410, 0.2128



29.9818, 0.2236, 0.1843



23.7543, 0.2743, 0.2198



9.7897, 0.2983, 0.3058



2.6531, 0.1506, 0.0619



0.1297, 0.1526, 0.0691

Inverse Universe

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



25.9119, 0.4080, 0.3265



39.5784, 0.4393, 0.3261



47.7295, 0.3397, 0.4370



10.0821, 0.3285, 0.3284



7.5501, 0.6368, 0.3282



0.3277, 0.6247, 0.3215

Previews

White Background



This preview shows how the Yxy color 21.2246, 0.2410, 0.2128 looks on a white background.

Color Contrast Check

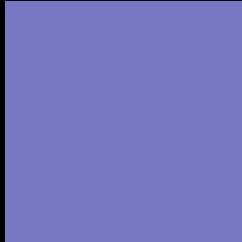
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2246, 0.2410, 0.2128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

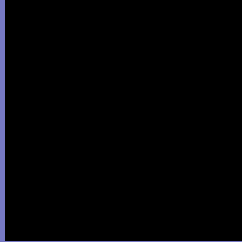
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2246, 0.2410, 0.2128

Background



This preview shows how black text looks on a background with the Yxy color 21.2246, 0.2410, 0.2128.

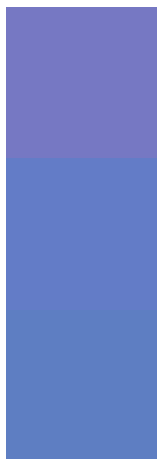


This preview shows how white text looks on a background with the Yxy color 21.2246, 0.2410, 0.2128.

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

21.2246, 0.2410, 0.2128

Protanopia

21.1915, 0.2249, 0.2103

Deuteranopia

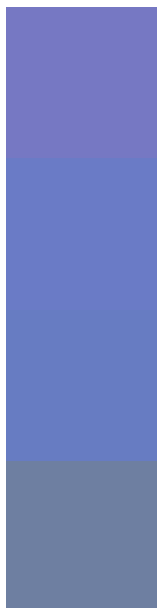
21.1964, 0.2249, 0.2185



Tritanopia

21.1889, 0.2740, 0.3084

Trichromacy



Original Color

21.2246, 0.2410, 0.2128

Protanomaly

21.3073, 0.2303, 0.2113

Deuteranomaly

21.1939, 0.2308, 0.2170

Tritanomaly

21.0669, 0.2615, 0.2693

Monochromacy



Original Color

21.2246, 0.2410, 0.2128

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.2193, 0.2834, 0.2821

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2246, 0.2410, 0.2128 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(118, 120, 195)` looks like.

```
.text, #text, p{  
    color:rgb(118, 120, 195)  
}
```

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(118, 120, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 120, 195) }
```

Border

The CSS property to change the border of an element to Yxy 21.2246, 0.2410, 0.2128 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(118, 120, 195) }
```

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

```
.border{ border-color:rgb(118, 120, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 120, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 120, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 120, 195);  
box-shadow:4px 4px 4px 4px rgb(118, 120,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2246, 0.2410, 0.2128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 120, 195) }
```

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

```
.background{ background-color: rgb(118,  
120, 195) }
```

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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