

Converting Colors

$Y_{xy}(20.6837, 0.2455, 0.2390)$

Have a look what the booklet for
Yxy(20.6837, 0.2455, 0.2390)
contains.

Yxy(20.7154, 0.2455, 0.2398)	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(20.7154, 0.2455, 0.2398)

Conversions

Conversions Part 1

Format	Color
Hex	6B7CB1
RGB	107, 124, 177
RGB Percent	42%, 49%, 69%
CMY	0.5803, 0.5137, 0.3060
CMYK	0.40, 0.30, 0.00, 0.31
HSL	225°, 31%, 56%
HSV	225°, 40%, 69%
XYZ	21.2078, 20.7154, 44.4630
YIQ	124.9590, -27.1450, 12.8790

Conversions

Conversions Part 2

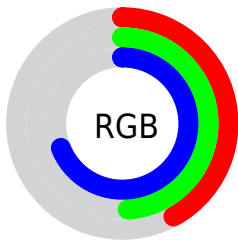
Format	Color
R _Y B	107, 121, 177
Decimal	7044273
CIE Lab	52.64, 7.42, -30.04
CIE LCh	53, 30.943, 283.870
Yxy	20.7154, 0.2455, 0.2398
Android (android.graphics.Color)	4285234353 (0xFF6B7CB1)
YUV	124.9590, 25.6562, -15.7500
Hunter-Lab	45.5142, 3.5241, -26.0607

Details

The Yxy color **20.7154, 0.2455, 0.2398** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **35.5530, 0.3793, 0.4043**, and the grayscale version is **20.4148, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.5109, 0.2601, 0.2577**, and **7.2996, 0.2202, 0.2080** is the 20% darker color. If you saturate the color by 10%, you get **16.5941, 0.2268, 0.2123**, and if you desaturate by 10%, it is **25.5195, 0.2640, 0.2657**.

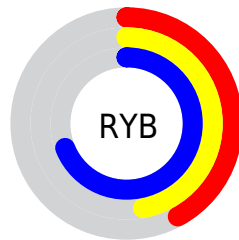
Distribution



Red (42%)

Green (49%)

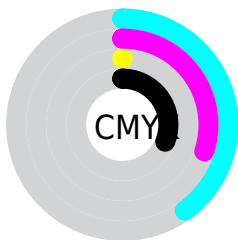
Blue (69%)



Red (42%)

Yellow (47%)

Blue (69%)

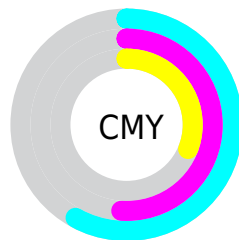


Cyan (40%)

Magenta (30%)

Yellow (0%)

Black (31%)



Cyan (58%)

Magenta (51%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.7154, 0.2455, 0.2398 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 20.7154, 0.2455, 0.2398 by changing the saturation by 10% instead.

■ 20.7154, 0.2455,
0.2398

■ 20.7154, 0.2455,
0.2398

■ 255.7621, 0.2829,
0.2882

■ 12.9161, 0.2349,
0.2266

■ 44.6134, 0.2600,
0.2582

■ 7.3708, 0.2206,
0.2091

■ 61.4809, 0.2652,
0.2649

■ 3.6951, 0.2002,
0.1849

■ 82.1400, 0.2695,
0.2704

■ 1.5045, 0.1699,
0.1501

■ 106.9750, 0.2730,
0.2751

■ 0.2919, 0.1140,
0.0726

■ 136.3703, 0.2761,
0.2791

■ 0.0000, 0.0000,
0.0000

170.7103, 0.2787,

0.2825

210.3795, 0.2809,
0.2855

■ 20.7154, 0.2455,
0.2398

■ 20.7154, 0.2455,
0.2398

■ 16.5941, 0.2268,
0.2123

■ 25.5195, 0.2640,
0.2657

■ 13.1213, 0.2085,
0.1840

■ 31.0341, 0.2817,
0.2895

■ 10.2628, 0.1917,
0.1560

■ 37.2879, 0.2982,
0.3109

■ 7.9804, 0.1772,
0.1299

■ 44.3075, 0.3134,
0.3299

■ 6.2307, 0.1660,
0.1071

■ 52.1181, 0.3272,
0.3466

■ 4.9480, 0.1581,
0.0886

■ 60.7435, 0.3397,
0.3612

■ 4.8954, 0.1577,
0.0878

■ 70.2068, 0.3509,
0.3739

■ 80.5300, 0.3610,
0.3850

■ 89.5250, 0.3619,
0.3965

Harmonies

Analogous

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



20.7154, 0.2174, 0.2498



20.7154, 0.2455, 0.2398



20.7154, 0.2931, 0.2500

Triad

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



20.7154, 0.2455, 0.2398



20.7154, 0.4252, 0.3597



20.7154, 0.2702, 0.3906

Complementary

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



20.7154, 0.2455, 0.2398



35.5530, 0.3793, 0.4043

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.



20.7154, 0.3241, 0.4273



20.7154, 0.2455, 0.2398



20.7154, 0.4155, 0.4011

Square

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



20.7154, 0.2455, 0.2398



20.7154, 0.4011, 0.3158



20.7154, 0.3775, 0.4286



20.7154, 0.2301, 0.3338

Rectangle

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



20.7154, 0.2455, 0.2398



20.7154, 0.3314, 0.2664



20.7154, 0.3775, 0.4286



20.7154, 0.2873, 0.4063

Sweetspot

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



20.7162, 0.2455, 0.2398



63.6602, 0.2939, 0.3053



37.0832, 0.2704, 0.3570



13.4844, 0.2918, 0.3027



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.7162, 0.2455, 0.2398



30.9117, 0.2300, 0.2171



18.0201, 0.2584, 0.2157



8.5538, 0.2985, 0.3112



3.6297, 0.1582, 0.0895



0.2066, 0.1735, 0.1445

Inverse Universe

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



21.3223, 0.3855, 0.3041



32.7016, 0.4091, 0.2992



39.9185, 0.3539, 0.4312



8.5379, 0.3250, 0.3235



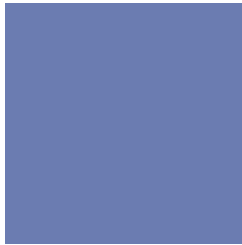
6.9065, 0.5919, 0.3034



0.2266, 0.5131, 0.2600

Previews

White Background



This preview shows how the Yxy color 20.7154, 0.2455, 0.2398 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 20.7154, 0.2455, 0.2398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

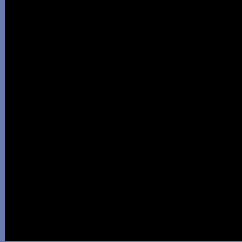
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

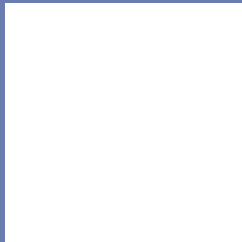
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.7154, 0.2455, 0.2398

Background



This preview shows how black text looks on a background with the Yxy color 20.7154, 0.2455, 0.2398.

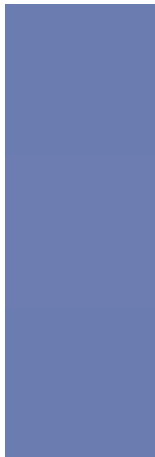


This preview shows how white text looks on a background with the Yxy color 20.7154, 0.2455, 0.2398.

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

20.7154, 0.2455, 0.2398

Protanopia

20.8408, 0.2472, 0.2402

Deuteranopia

20.7154, 0.2455, 0.2398



Tritanopia

20.7524, 0.2682, 0.3099

Trichromacy



Original Color

20.7154, 0.2455, 0.2398

Protanomaly

20.7778, 0.2463, 0.2400

Deuteranomaly

20.7154, 0.2455, 0.2398

Tritanomaly

20.5381, 0.2592, 0.2814

Monochromacy



Original Color

20.7154, 0.2455, 0.2398

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.5324, 0.2847, 0.2947

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7154, 0.2455, 0.2398 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(107, 124, 177)` looks like.

```
.text, #text, p{  
    color:rgb(107, 124, 177)  
}
```

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(107, 124, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 124, 177) }
```

Border

The CSS property to change the border of an element to Yxy 20.7154, 0.2455, 0.2398 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(107, 124, 177) }
```

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

```
.border{ border-color:rgb(107, 124, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 124, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 124, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 124, 177);  
box-shadow:4px 4px 4px 4px rgb(107, 124,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7154, 0.2455, 0.2398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 124, 177) }
```

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

```
.background{ background-color: rgb(107,  
124, 177) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor