

Converting Colors

$Y_{xy}(21.8112, 0.2551, 0.2337)$

Have a look what the booklet for
Yxy(21.8112, 0.2551, 0.2337)
contains.

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Color

Yxy(21.7958, 0.2549, 0.2335)

Conversions

Conversions Part 1

Format	Color
Hex	7B7BB7
RGB	123, 123, 183
RGB Percent	48%, 48%, 72%
CMY	0.5178, 0.5176, 0.2823
CMYK	0.33, 0.33, 0.00, 0.28
HSL	240°, 29%, 60%
HSV	240°, 33%, 72%
XYZ	23.7934, 21.7958, 47.7547
YIQ	129.8400, -19.2600, 18.6600

Conversions

Conversions Part 2

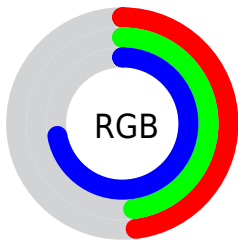
Format	Color
R_{YB}	123, 123, 183
Decimal	8092599
CIE _{Lab}	53.81, 14.22, -31.59
CIE _{LCh}	54, 34.645, 294.226
Yxy	21.7958, 0.2549, 0.2335
Android (android.graphics.Color)	4286282679 (0xFF7B7BB7)
YUV	129.8400, 26.2079, -5.9987
Hunter-Lab	46.6860, 9.2715, -27.9671

Details

The Yxy color **21.7958, 0.2549, 0.2335** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **45.3378, 0.3615, 0.4095**, and the grayscale version is **22.1728, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.2391, 0.2676, 0.2523**, and **7.8870, 0.2335, 0.2012** is the 20% darker color. If you saturate the color by 10%, you get **16.4509, 0.2339, 0.1988**, and if you desaturate by 10%, it is **28.2414, 0.2747, 0.2662**.

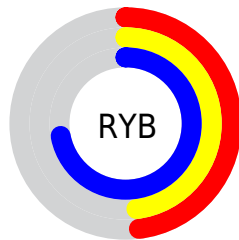
Distribution



Red (48%)

Green (48%)

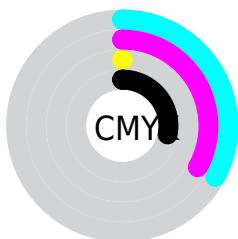
Blue (72%)



Red (48%)

Yellow (48%)

Blue (72%)

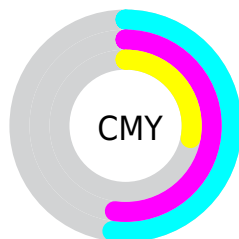


Cyan (33%)

Magenta (33%)

Yellow (0%)

Black (28%)



Cyan (52%)

Magenta (52%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.7958, 0.2549, 0.2335 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 21.7958, 0.2549, 0.2335 by changing the saturation by 10% instead.

■ 21.7958, 0.2549,
0.2335

■ 21.7958, 0.2549,
0.2335

261.4780, 0.2872,
0.2842

■ 13.7069, 0.2457,
0.2201

■ 46.4083, 0.2675,
0.2525

■ 7.9171, 0.2333,
0.2025

■ 63.7007, 0.2719,
0.2595

■ 4.0420, 0.2156,
0.1787

■ 84.8297, 0.2756,
0.2653

■ 1.6971, 0.1891,
0.1452

110.1797, 0.2787,
0.2703

■ 0.4218, 0.1485,
0.0837

140.1352, 0.2813,
0.2745

■ 0.0000, 0.0000,
0.0000

175.0805, 0.2836,

0.2782

215.3999, 0.2855,
0.2814

■ 21.7958, 0.2549,
0.2335

■ 21.7958, 0.2549,
0.2335

■ 16.4509, 0.2339,
0.1988

■ 28.2414, 0.2747,
0.2662

■ 12.1430, 0.2126,
0.1636

■ 35.8419, 0.2926,
0.2959

■ 8.8055, 0.1924,
0.1302

■ 44.6507, 0.3086,
0.3222

■ 6.3633, 0.1749,
0.1013

■ 54.7172, 0.3225,
0.3452

■ 4.7299, 0.1617,
0.0794

■ 66.0882, 0.3346,
0.3651

■ 3.8023, 0.1535,
0.0659

■ 78.8079, 0.3449,
0.3822

■ 3.4235, 0.1500,
0.0601

■ 92.9186, 0.3538,
0.3969

■ 96.1991, 0.3555,
0.3998

Harmonies

Analogous

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



21.7958, 0.2167, 0.2361



21.7958, 0.2549, 0.2335



21.7958, 0.3123, 0.2513

Triad

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



21.7958, 0.2549, 0.2335



21.7958, 0.4368, 0.3779



21.7958, 0.2484, 0.3764

Complementary

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



21.7958, 0.2549, 0.2335



45.3378, 0.3615, 0.4095

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.



21.7958, 0.3033, 0.4283



21.7958, 0.2549, 0.2335



21.7958, 0.4135, 0.4202

Square

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



21.7958, 0.2549, 0.2335



21.7958, 0.4233, 0.3301



21.7958, 0.3639, 0.4427



21.7958, 0.2127, 0.3122

Rectangle

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



21.7958, 0.2549, 0.2335



21.7958, 0.3552, 0.2727



21.7958, 0.3639, 0.4427



21.7958, 0.2651, 0.3967

Sweetspot

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



21.7966, 0.2549, 0.2335



68.1555, 0.2971, 0.3032



41.4536, 0.2673, 0.3303



14.5861, 0.2948, 0.2993



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



21.7966, 0.2549, 0.2335



32.2912, 0.2406, 0.2099



24.2458, 0.2834, 0.2406



8.7211, 0.2984, 0.3054



2.3889, 0.1500, 0.0601



0.0848, 0.1501, 0.0604

Inverse Universe

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



25.6519, 0.3873, 0.3291



40.2149, 0.4104, 0.3292



42.1655, 0.3347, 0.4172



9.0124, 0.3288, 0.3290



7.0235, 0.6399, 0.3299



0.2477, 0.6393, 0.3296

Previews

White Background



This preview shows how the Yxy color 21.7958, 0.2549, 0.2335 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 21.7958, 0.2549, 0.2335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

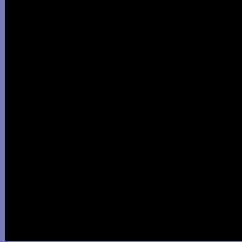
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.7958, 0.2549, 0.2335

Background



This preview shows how black text looks on a background with the Yxy color 21.7958, 0.2549, 0.2335.



This preview shows how white text looks on a background with the Yxy color 21.7958, 0.2549, 0.2335.

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

21.7958, 0.2549, 0.2335

Protanopia

21.9751, 0.2415, 0.2332

Deuteranopia

21.8074, 0.2443, 0.2385



Tritanopia

21.7630, 0.2830, 0.3089

Trichromacy



Original Color

21.7958, 0.2549, 0.2335

Protanomaly

22.0019, 0.2461, 0.2339

Deuteranomaly

21.8765, 0.2483, 0.2378

Tritanomaly

21.6546, 0.2719, 0.2785

Monochromacy



Original Color

21.7958, 0.2549, 0.2335

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.8607, 0.2897, 0.2910

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7958, 0.2549, 0.2335 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(123, 123, 183)` looks like.

```
.text, #text, p{  
    color:rgb(123, 123, 183)  
}
```

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(123, 123, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 123, 183) }
```

Border

The CSS property to change the border of an element to Yxy 21.7958, 0.2549, 0.2335 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(123, 123, 183) }
```

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

```
.border{ border-color:rgb(123, 123, 183) }
```

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

Here you see how a box with a 4 pixel rgb(123, 123, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 123, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 123, 183);  
box-shadow:4px 4px 4px 4px rgb(123, 123,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7958, 0.2549, 0.2335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 123, 183) }
```

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

```
.background{ background-color: rgb(123,  
123, 183) }
```

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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