

Converting Colors

$Y_{xy}(20.5757, 0.2183, 0.2350)$

Have a look what the booklet for
Yxy(20.5757, 0.2183, 0.2350)
contains.

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Color

$\text{Yxy}(20.4971, 0.2184, 0.2347)$

Conversions

Conversions Part 1

Format	Color
Hex	4881B7
RGB	72, 129, 183
RGB Percent	28%, 51%, 72%
CMY	0.7175, 0.4941, 0.2823
CMYK	0.61, 0.30, 0.00, 0.28
HSL	209°, 44%, 50%
HSV	209°, 61%, 72%
XYZ	19.0736, 20.4971, 47.7625
YIQ	118.1130, -51.3060, 4.7100

Conversions

Conversions Part 2

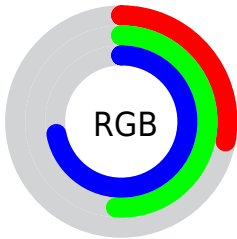
Format	Color
R _Y B	72, 110, 183
Decimal	4751799
CIE Lab	52.39, -2.07, -34.04
CIE LCh	52, 34.105, 266.513
Yxy	20.4971, 0.2184, 0.2347
Android (android.graphics.Color)	4282941879 (0xFF4881B7)
YUV	118.1130, 31.9893, -40.4411
Hunter-Lab	45.2737, -4.0280, -30.8577

Details

The Yxy color **20.4971, 0.2184, 0.2347** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **25.4773, 0.4456, 0.4030**, and the grayscale version is **18.0671, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.3550, 0.2380, 0.2553**, and **7.3490, 0.1894, 0.2018** is the 20% darker color. If you saturate the color by 10%, you get **17.6499, 0.2053, 0.2159**, and if you desaturate by 10%, it is **23.7598, 0.2330, 0.2531**.

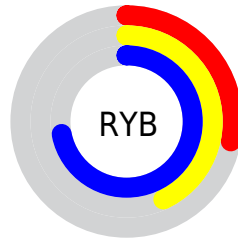
Distribution



Red (28%)

Green (51%)

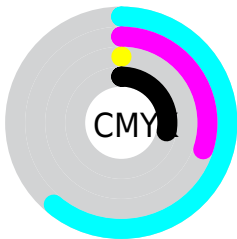
Blue (72%)



Red (28%)

Yellow (43%)

Blue (72%)

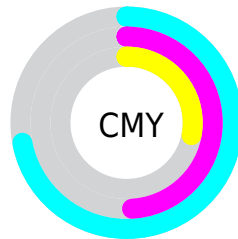


Cyan (61%)

Magenta (30%)

Yellow (0%)

Black (28%)



Cyan (72%)

Magenta (49%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.4971, 0.2184, 0.2347 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 20.4971, 0.2184, 0.2347 by changing the saturation by 10% instead.

■ 20.4971, 0.2184,
0.2347

■ 20.4971, 0.2184,
0.2347

■ 254.5936, 0.2698,
0.2865

■ 12.7569, 0.2044,
0.2205

■ 44.2491, 0.2380,
0.2545

■ 7.2614, 0.1859,
0.2016

■ 61.0296, 0.2451,
0.2617

■ 3.6261, 0.1607,
0.1756

■ 81.5924, 0.2510,
0.2676

■ 1.4667, 0.1253,
0.1387

■ 106.3218, 0.2560,
0.2726

■ 0.2651, 0.0464,
0.0611

■ 135.6022, 0.2602,
0.2768

■ 0.0000, 0.0000,
0.0000

169.8181, 0.2638,

0.2805

209.3538, 0.2670,
0.2837

■ 20.4971, 0.2184,
0.2347

■ 20.4971, 0.2184,
0.2347

■ 17.6499, 0.2053,
0.2159

■ 23.7598, 0.2330,
0.2531

■ 15.1916, 0.1940,
0.1970

■ 27.4578, 0.2485,
0.2706

■ 13.0949, 0.1850,
0.1787

■ 31.6117, 0.2646,
0.2871

■ 11.4117, 0.1784,
0.1623

■ 36.2400, 0.2807,
0.3022

■ 41.3602, 0.2965,
0.3159

■ 46.9884, 0.3118,
0.3283

■ 53.1402, 0.3264,
0.3393

■ 59.8304, 0.3402,
0.3490

■ 67.0730, 0.3531,
0.3576

Harmonies

Analogous

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



20.4971, 0.2019, 0.2589



20.4971, 0.2184, 0.2347



20.4971, 0.2584, 0.2338

Triad

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



20.4971, 0.2184, 0.2347



20.4971, 0.4263, 0.3337



20.4971, 0.2986, 0.4260

Complementary

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



20.4971, 0.2184, 0.2347



25.4773, 0.4456, 0.4030

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.



20.4971, 0.3597, 0.4436



20.4971, 0.2184, 0.2347



20.4971, 0.4368, 0.3817

Square

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



20.4971, 0.2184, 0.2347



20.4971, 0.3806, 0.2885



20.4971, 0.4109, 0.4233



20.4971, 0.2445, 0.3717

Rectangle

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



20.4971, 0.2184, 0.2347



20.4971, 0.2961, 0.2447



20.4971, 0.4109, 0.4233



20.4971, 0.3190, 0.4366

Sweetspot

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



20.4978, 0.2184, 0.2347



66.9551, 0.2844, 0.3055



36.7535, 0.2729, 0.4293



14.2232, 0.2797, 0.3014



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.



20.4978, 0.2184, 0.2347



29.9550, 0.2010, 0.2091



9.6817, 0.1972, 0.1397



9.4611, 0.2985, 0.3176



8.0969, 0.1790, 0.1643



0.4089, 0.1918, 0.2105

Inverse Universe

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



16.2945, 0.3992, 0.2520



23.9963, 0.4297, 0.2423



43.6563, 0.3985, 0.4668



9.0871, 0.3210, 0.3173



7.5997, 0.4876, 0.2460



0.2804, 0.4336, 0.2162

Previews

White Background



This preview shows how the Yxy color 20.4971, 0.2184, 0.2347 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 20.4971, 0.2184, 0.2347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

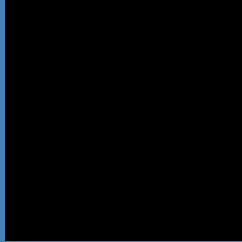
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4971, 0.2184, 0.2347

Background



This preview shows how black text looks on a background with the Yxy color 20.4971, 0.2184, 0.2347.

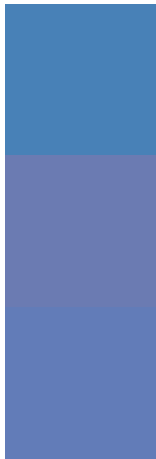


This preview shows how white text looks on a background with the Yxy color 20.4971, 0.2184, 0.2347.

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

20.4971, 0.2184, 0.2347

Protanopia

20.5061, 0.2445, 0.2367

Deuteranopia

20.4727, 0.2333, 0.2286



Tritanopia

20.5557, 0.2343, 0.3068

Trichromacy



Original Color

20.4971, 0.2184, 0.2347

Protanomaly

20.3422, 0.2332, 0.2350

Deuteranomaly

20.5062, 0.2274, 0.2305

Tritanomaly

20.3373, 0.2279, 0.2772

Monochromacy



Original Color

20.4971, 0.2184, 0.2347

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.6388, 0.2683, 0.2906

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4971, 0.2184, 0.2347 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(72, 129, 183)` looks like.

```
.text, #text, p{  
    color:rgb(72, 129, 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(72, 129, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 129, 183) }
```

Border

The CSS property to change the border of an element to Yxy 20.4971, 0.2184, 0.2347 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(72, 129, 183) }
```

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

```
.border{ border-color:rgb(72, 129, 183) }
```

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

Here you see how a box with a 4 pixel rgb(72, 129, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 129, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 129, 183);  
box-shadow:4px 4px 4px 4px rgb(72, 129,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4971, 0.2184, 0.2347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 129, 183) }
```

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

```
.background{ background-color: rgb(72, 129,  
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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