

Converting Colors

$Y_{xy}(21.1554, 0.2220, 0.2384)$

Have a look what the booklet for
Yxy(21.1554, 0.2220, 0.2384)
contains.

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Color

$\text{Yxy}(21.2293, 0.2221, 0.2390)$

Conversions

Conversions Part 1

Format	Color
Hex	4D83B7
RGB	77, 131, 183
RGB Percent	30%, 51%, 72%
CMY	0.6979, 0.4863, 0.2823
CMYK	0.58, 0.28, 0.00, 0.28
HSL	209°, 42%, 51%
HSV	209°, 58%, 72%
XYZ	19.7281, 21.2293, 47.8681
YIQ	120.7820, -48.8760, 4.7240

Conversions

Conversions Part 2

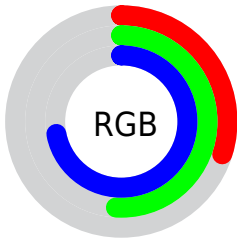
Format	Color
R_{YB}	77, 113, 183
Decimal	5079991
CIE _{Lab}	53.20, -2.23, -32.77
CIE _{LCh}	53, 32.842, 266.102
Yxy	21.2293, 0.2221, 0.2390
Android (android.graphics.Color)	4283270071 (0xFF4D83B7)
YUV	120.7820, 30.6735, -38.3968
Hunter-Lab	46.0753, -4.2030, -29.3443

Details

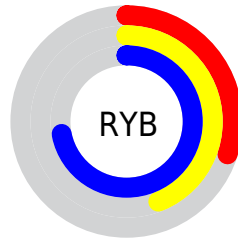
The Yxy color **21.2293, 0.2221, 0.2390** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **26.3260, 0.4376, 0.4010**, and the grayscale version is **18.9614, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5813, 0.2413, 0.2585**, and **7.6463, 0.1909, 0.2071** is the 20% darker color. If you saturate the color by 10%, you get **18.2626, 0.2085, 0.2201**, and if you desaturate by 10%, it is **24.6210, 0.2371, 0.2574**.

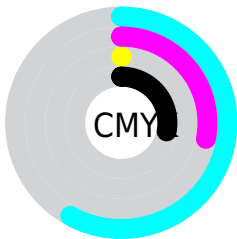
Distribution



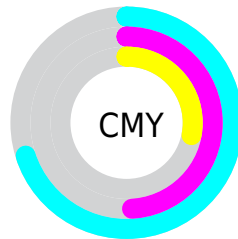
- Red (30%)
- Green (51%)
- Blue (72%)



- Red (30%)
- Yellow (44%)
- Blue (72%)



- Cyan (58%)
- Magenta (28%)
- Yellow (0%)
- Black (28%)



- Cyan (70%)
- Magenta (49%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.2293, 0.2221, 0.2390 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 21.2293, 0.2221, 0.2390 by changing the saturation by 10% instead.

■ 21.2293, 0.2221,
0.2390

■ 21.2293, 0.2221,
0.2390

■ 258.4946, 0.2714,
0.2883

■ 13.2917, 0.2087,
0.2254

■ 45.4688, 0.2409,
0.2579

■ 7.6297, 0.1910,
0.2074

■ 62.5396, 0.2477,
0.2647

■ 3.8589, 0.1667,
0.1826

■ 83.4235, 0.2533,
0.2703

■ 1.5950, 0.1325,
0.1471

■ 108.5050, 0.2581,
0.2751

■ 0.3542, 0.0623,
0.0783

■ 138.1685, 0.2621,
0.2791

■ 0.0000, 0.0000,
0.0000

172.7983, 0.2656,

0.2826

212.7789, 0.2687,
0.2857

■ 21.2293, 0.2221,
0.2390

■ 21.2293, 0.2221,
0.2390

■ 18.2626, 0.2085,
0.2201

■ 24.6210, 0.2371,
0.2574

■ 15.6950, 0.1966,
0.2010

■ 28.4569, 0.2528,
0.2748

■ 13.5000, 0.1869,
0.1824

■ 32.7575, 0.2689,
0.2910

■ 11.6382, 0.1795,
0.1646

■ 37.5410, 0.2850,
0.3059

■ 11.2779, 0.1780,
0.1609

■ 42.8246, 0.3007,
0.3193

■ 48.6244, 0.3158,
0.3314

■ 54.9559, 0.3302,
0.3422

■ 61.8338, 0.3438,
0.3516

■ 69.2721, 0.3565,
0.3600

Harmonies

Analogous

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



21.2293, 0.2066, 0.2628



21.2293, 0.2221, 0.2390



21.2293, 0.2603, 0.2377

Triad

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



21.2293, 0.2221, 0.2390



21.2293, 0.4203, 0.3333



21.2293, 0.3004, 0.4213

Complementary

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



21.2293, 0.2221, 0.2390



26.3260, 0.4376, 0.4010

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.



21.2293, 0.3586, 0.4379



21.2293, 0.2221, 0.2390



21.2293, 0.4311, 0.3793

Square

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



21.2293, 0.2221, 0.2390



21.2293, 0.3766, 0.2898



21.2293, 0.4071, 0.4188



21.2293, 0.2484, 0.3705

Rectangle

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



21.2293, 0.2221, 0.2390



21.2293, 0.2963, 0.2479



21.2293, 0.4071, 0.4188



21.2293, 0.3199, 0.4313

Sweetspot

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



21.2301, 0.2221, 0.2390



67.7813, 0.2860, 0.3068



37.0204, 0.2738, 0.4239



14.5752, 0.2828, 0.3039



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.



21.2301, 0.2221, 0.2390



31.6114, 0.2056, 0.2158



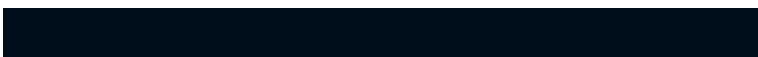
10.5643, 0.2026, 0.1487



9.4549, 0.2985, 0.3175



8.0036, 0.1786, 0.1630



0.4057, 0.1915, 0.2094

Inverse Universe

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



17.0224, 0.3942, 0.2553



25.2916, 0.4213, 0.2452



43.7572, 0.3954, 0.4620



9.0865, 0.3210, 0.3174



7.5903, 0.4894, 0.2469



0.2801, 0.4347, 0.2169

Previews

White Background



This preview shows how the Yxy color 21.2293, 0.2221, 0.2390 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 21.2293, 0.2221, 0.2390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

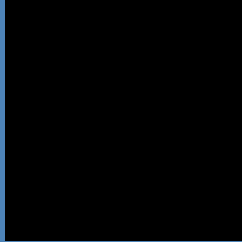
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2293, 0.2221, 0.2390

Background



This preview shows how black text looks on a background with the Yxy color 21.2293, 0.2221, 0.2390.

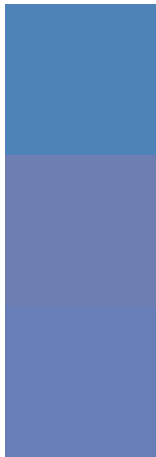


This preview shows how white text looks on a background with the Yxy color 21.2293, 0.2221, 0.2390.

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

21.2293, 0.2221, 0.2390

Protanopia

21.1966, 0.2476, 0.2407

Deuteranopia

21.2660, 0.2378, 0.2330



Tritanopia

21.4036, 0.2378, 0.3073

Trichromacy



Original Color

21.2293, 0.2221, 0.2390

Protanomaly

21.0707, 0.2369, 0.2392

Deuteranomaly

21.2787, 0.2316, 0.2348

Tritanomaly

21.1301, 0.2316, 0.2799

Monochromacy



Original Color

21.2293, 0.2221, 0.2390

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.6841, 0.2711, 0.2933

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2293, 0.2221, 0.2390 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(77, 131, 183)` looks like.

```
.text, #text, p{  
    color:rgb(77, 131, 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(77, 131, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 131, 183) }
```

Border

The CSS property to change the border of an element to Yxy 21.2293, 0.2221, 0.2390 is called "border". The border property can be set on classes, ids or directly on the HTML element.

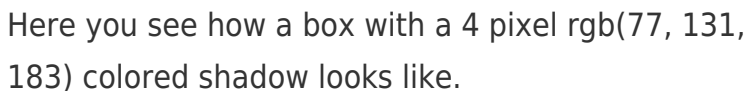
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(77, 131, 183) }
```

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

```
.border{ border-color:rgb(77, 131, 183) }
```

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



Here you see how a box with a 4 pixel `rgb(77, 131, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 131, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 131, 183);  
box-shadow:4px 4px 4px 4px rgb(77, 131,  
183) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 21.2293, 0.2221, 0.2390$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 131, 183) }
```

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

```
.background{ background-color: rgb(77, 131,  
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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