

Converting Colors

$Y_{xy}(23.1909, 0.2391, 0.2078)$

Have a look what the booklet for
Yxy(23.1909, 0.2391, 0.2078)
contains.

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Color

Yxy(23.1566, 0.2396, 0.2081)

Conversions

Conversions Part 1

Format	Color
Hex	7C7CCE
RGB	124, 124, 206
RGB Percent	49%, 49%, 81%
CMY	0.5137, 0.5137, 0.1921
CMYK	0.40, 0.40, 0.00, 0.19
HSL	240°, 46%, 65%
HSV	240°, 40%, 81%
XYZ	26.6618, 23.1566, 61.4579
YIQ	133.3480, -26.3220, 25.5020

Conversions

Conversions Part 2

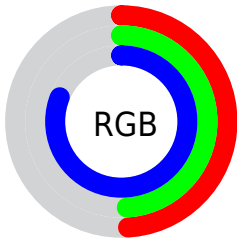
Format	Color
RYB	124, 124, 206
Decimal	8158414
CIELab	55.23, 20.27, -42.47
CIElCh	55, 47.057, 295.510
Yxy	23.1566, 0.2396, 0.2081
Android (android.graphics.Color)	4286348494 (0xFF7C7CCE)
YUV	133.3480, 35.8174, -8.1982
Hunter-Lab	48.1213, 14.6864, -42.0370

Details

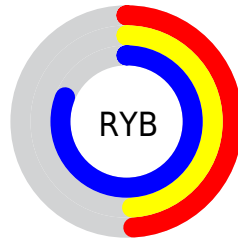
The Yxy color $23.1566, 0.2396, 0.2081$ is a dark color, and the websafe version is hex $6666CC$. A complement of this color would be $58.7185, 0.3718, 0.4268$, and the grayscale version is $23.4642, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.8544, 0.2594, 0.2379$, and $8.5686, 0.2144, 0.1729$ is the 20% darker color. If you saturate the color by 10%, you get $17.1446, 0.2181, 0.1725$, and if you desaturate by 10%, it is $30.5691, 0.2605, 0.2427$.

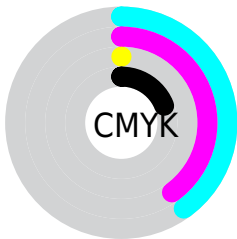
Distribution



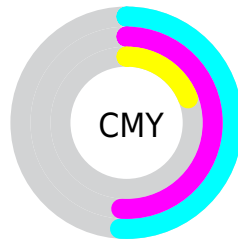
- Red (49%)
- Green (49%)
- Blue (81%)



- Red (49%)
- Yellow (49%)
- Blue (81%)



- Cyan (40%)
- Magenta (40%)
- Yellow (0%)
- Black (19%)



- Cyan (51%)
- Magenta (51%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.1566, 0.2396, 0.2081 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 23.1566, 0.2396, 0.2081 by changing the saturation by 10% instead.

■ 23.1566, 0.2396,
0.2081

■ 23.1566, 0.2396,
0.2081

268.5283, 0.2797,
0.2700

■ 14.7092, 0.2287,
0.1927

■ 48.6503, 0.2549,
0.2307

■ 8.6155, 0.2143,
0.1732

■ 66.4654, 0.2604,
0.2391

■ 4.4913, 0.1946,
0.1481

■ 88.1719, 0.2650,
0.2463

■ 1.9520, 0.1668,
0.1152

114.1541, 0.2689,
0.2524

■ 0.5794, 0.1269,
0.0692

144.7965, 0.2722,
0.2577

■ 0.0000, 0.0000,
0.0000

180.4833, 0.2751,

0.2623

221.5992, 0.2775,
0.2664

■ 23.1566, 0.2396,
0.2081

■ 23.1566, 0.2396,
0.2081

■ 17.1446, 0.2181,
0.1725

■ 30.5691, 0.2605,
0.2427

■ 12.4429, 0.1973,
0.1381

■ 39.4599, 0.2800,
0.2749

■ 8.9546, 0.1789,
0.1077

■ 49.9040, 0.2975,
0.3039

■ 6.5684, 0.1644,
0.0837

■ 61.9704, 0.3130,
0.3295

■ 5.1524, 0.1549,
0.0681

■ 75.7243, 0.3264,
0.3517

■ 4.4678, 0.1501,
0.0601

■ 91.2270, 0.3380,
0.3708

■ 4.4566, 0.1500,
0.0600

■ 97.2363, 0.3418,
0.3770

Harmonies

Analogous

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



23.1566, 0.1914, 0.2087



23.1566, 0.2396, 0.2081



23.1566, 0.3143, 0.2315

Triad

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



23.1566, 0.2396, 0.2081



23.1566, 0.4749, 0.3893



23.1566, 0.2247, 0.3888

Complementary

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



23.1566, 0.2396, 0.2081



58.7185, 0.3718, 0.4268

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.



23.1566, 0.2939, 0.4637



23.1566, 0.2396, 0.2081



23.1566, 0.4394, 0.4460

Square

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



23.1566, 0.2396, 0.2081



23.1566, 0.4618, 0.3294



23.1566, 0.3724, 0.4809



23.1566, 0.1826, 0.3003

Rectangle

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



23.1566, 0.2396, 0.2081



23.1566, 0.3717, 0.2582



23.1566, 0.3724, 0.4809



23.1566, 0.2454, 0.4181

Sweetspot

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



23.1574, 0.2396, 0.2081



76.6589, 0.2936, 0.2974



52.8850, 0.2582, 0.3288



15.9147, 0.2913, 0.2937



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.



23.1574, 0.2396, 0.2081



28.8418, 0.2207, 0.1768



26.8706, 0.2764, 0.2193



10.8441, 0.2982, 0.3050



2.7442, 0.1500, 0.0600



0.1416, 0.1500, 0.0600

Inverse Universe

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



31.9925, 0.3173, 0.2318



45.1441, 0.3182, 0.2124



53.5982, 0.3377, 0.4391



11.4037, 0.3138, 0.3062



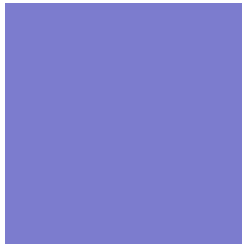
10.8227, 0.3210, 0.1542



0.5583, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 23.1566, 0.2396, 0.2081 looks on a white background.

Color Contrast Check

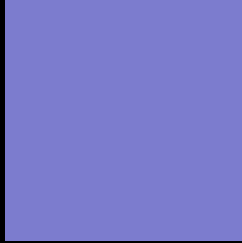
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1566, 0.2396, 0.2081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

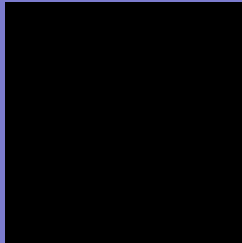
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.1566, 0.2396, 0.2081

Background



This preview shows how black text looks on a background with the Yxy color 23.1566, 0.2396, 0.2081.



This preview shows how white text looks on a background with the Yxy color 23.1566, 0.2396, 0.2081.

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

23.1566, 0.2396, 0.2081

Protanopia

23.1704, 0.2212, 0.2052

Deuteranopia

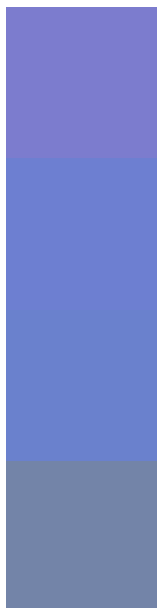
23.2951, 0.2220, 0.2166



Tritanopia

23.0299, 0.2752, 0.3091

Trichromacy



Original Color

23.1566, 0.2396, 0.2081

Protanomaly

23.0334, 0.2271, 0.2059

Deuteranomaly

23.1725, 0.2278, 0.2128

Tritanomaly

22.9745, 0.2614, 0.2682

Monochromacy



Original Color

23.1566, 0.2396, 0.2081

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.2492, 0.2826, 0.2791

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1566, 0.2396, 0.2081 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(124, 124, 206)` looks like.

```
.text, #text, p{  
    color:rgb(124, 124, 206)  
}
```

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(124, 124, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 124, 206) }
```

Border

The CSS property to change the border of an element to Yxy 23.1566, 0.2396, 0.2081 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(124, 124, 206) }
```

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

```
.border{ border-color:rgb(124, 124, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 124, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 124, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 124, 206);  
box-shadow:4px 4px 4px 4px rgb(124, 124,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1566, 0.2396, 0.2081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 124, 206) }
```

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

```
.background{ background-color: rgb(124,  
124, 206) }
```

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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