

Converting Colors

$Y_{xy}(23.1698, 0.2392, 0.2074)$

Have a look what the booklet for
Yxy(23.1698, 0.2392, 0.2074)
contains.

Yxy(23.2054, 0.2389, 0.2070)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.2054, 0.2389, 0.2070)

Conversions

Conversions Part 1

Format	Color
Hex	7C7CCF
RGB	124, 124, 207
RGB Percent	49%, 49%, 81%
CMY	0.5138, 0.5137, 0.1881
CMYK	0.40, 0.40, 0.00, 0.19
HSL	240°, 46%, 65%
HSV	240°, 40%, 81%
XYZ	26.7815, 23.2054, 62.1165
YIQ	133.4620, -26.6430, 25.8130

Conversions

Conversions Part 2

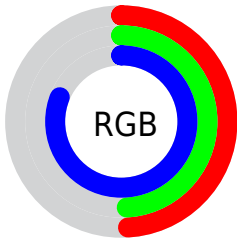
Format	Color
R_{YB}	124, 124, 207
Decimal	8158415
CIE _{Lab}	55.28, 20.54, -42.97
CIE _{LCh}	55, 47.628, 295.546
Yxy	23.2054, 0.2389, 0.2070
Android (android.graphics.Color)	4286348495 (0xFF7C7CCF)
YUV	133.4620, 36.2542, -8.2982
Hunter-Lab	48.1720, 14.9372, -42.7325

Details

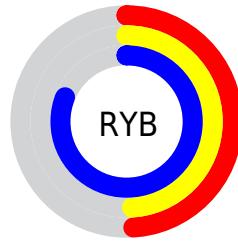
The Yxy color **23.2054, 0.2389, 0.2070** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **59.3459, 0.3723, 0.4275**, and the grayscale version is **23.5042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.9740, 0.2601, 0.2381**, and **8.6012, 0.2137, 0.1716** is the 20% darker color. If you saturate the color by 10%, you get **17.1686, 0.2174, 0.1714**, and if you desaturate by 10%, it is **30.6559, 0.2599, 0.2417**.

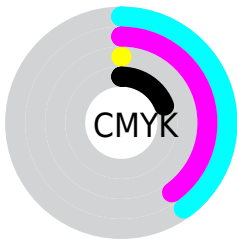
Distribution



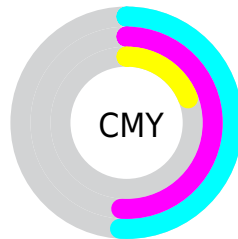
- Red (49%)
- Green (49%)
- Blue (81%)



- 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 23.2054, 0.2389, 0.2070 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 23.2054, 0.2389, 0.2070 by changing the saturation by 10% instead.


 23.2054, 0.2389,
0.2070


 23.2054, 0.2389,
0.2070


268.7782, 0.2794,
0.2693


 14.7452, 0.2279,
0.1915


 48.7304, 0.2543,
0.2297

 8.6408, 0.2134,
0.1720


 66.5640, 0.2599,
0.2382

 4.5076, 0.1937,
0.1468


 88.2909, 0.2645,
0.2454

 1.9614, 0.1658,
0.1140

114.2954, 0.2685,
0.2516

 0.5849, 0.1260,
0.0685

144.9620, 0.2718,
0.2569

 0.0000, 0.0015,
0.0000

180.6751, 0.2747,

 0.0000, 0.0000,

0.2616

0.0000

221.8190, 0.2772,
0.2657

■ 23.2054, 0.2389,
0.2070

■ 23.2054, 0.2389,
0.2070

■ 17.1686, 0.2174,
0.1714

■ 30.6559, 0.2599,
0.2417

■ 12.4540, 0.1966,
0.1371

■ 39.5989, 0.2794,
0.2739

■ 8.9631, 0.1783,
0.1068

■ 50.1105, 0.2970,
0.3030

■ 6.5830, 0.1640,
0.0831

■ 62.2607, 0.3125,
0.3287

■ 5.1794, 0.1547,
0.0678

■ 76.1153, 0.3261,
0.3510

■ 4.5083, 0.1500,
0.0600

■ 91.7367, 0.3377,
0.3703

■ 97.2864, 0.3412,
0.3760

Harmonies

Analogous

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



23.2054, 0.1902, 0.2076



23.2054, 0.2389, 0.2070



23.2054, 0.3144, 0.2306

Triad

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



23.2054, 0.2389, 0.2070



23.2054, 0.4766, 0.3897



23.2054, 0.2237, 0.3894

Complementary

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



23.2054, 0.2389, 0.2070



59.3459, 0.3723, 0.4275

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.



23.2054, 0.2935, 0.4654



23.2054, 0.2389, 0.2070



23.2054, 0.4405, 0.4471

Square

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



23.2054, 0.2389, 0.2070



23.2054, 0.4635, 0.3293



23.2054, 0.3728, 0.4827



23.2054, 0.1813, 0.2998

Rectangle

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



23.2054, 0.2389, 0.2070



23.2054, 0.3724, 0.2576



23.2054, 0.3728, 0.4827



23.2054, 0.2446, 0.4191

Sweetspot

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



23.2062, 0.2389, 0.2070



76.6649, 0.2936, 0.2974



53.3610, 0.2586, 0.3307



15.9161, 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.



23.2062, 0.2389, 0.2070



28.8540, 0.2207, 0.1769



26.8192, 0.2747, 0.2179



11.4185, 0.2982, 0.3050



2.8399, 0.1500, 0.0600



0.1591, 0.1501, 0.0601

Inverse Universe

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



29.1329, 0.4134, 0.3293



39.6096, 0.4472, 0.3293



54.2965, 0.3390, 0.4397



11.8083, 0.3291, 0.3290



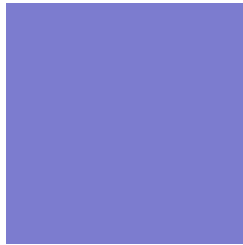
8.3580, 0.6400, 0.3299



0.4674, 0.6399, 0.3298

Previews

White Background



This preview shows how the Yxy color 23.2054, 0.2389, 0.2070 looks on a white background.

Color Contrast Check

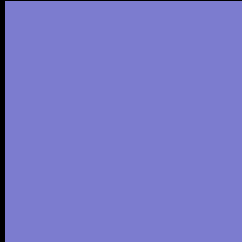
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2054, 0.2389, 0.2070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

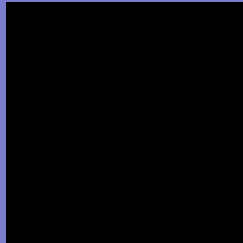
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.2054, 0.2389, 0.2070

Background



This preview shows how black text looks on a background with the Yxy color 23.2054, 0.2389, 0.2070.



This preview shows how white text looks on a background with the Yxy color 23.2054, 0.2389, 0.2070.

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

23.2054, 0.2389, 0.2070

Protanopia

23.4281, 0.2203, 0.2054

Deuteranopia

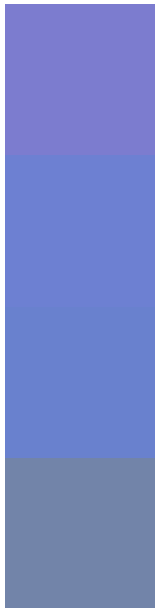
23.2900, 0.2208, 0.2153



Tritanopia

23.2806, 0.2735, 0.3092

Trichromacy



Original Color

23.2054, 0.2389, 0.2070

Protanomaly

23.3427, 0.2268, 0.2063

Deuteranomaly

23.1600, 0.2266, 0.2114

Tritanomaly

22.9445, 0.2597, 0.2665

Monochromacy



Original Color

23.2054, 0.2389, 0.2070

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 23.2054, 0.2389, 0.2070 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, 207)` looks like.

```
.text, #text, p{  
    color:rgb(124, 124, 207)  
}
```

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, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 124, 207) }
```

Border

The CSS property to change the border of an element to Yxy 23.2054, 0.2389, 0.2070 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, 207) }
```

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

```
.border{ border-color:rgb(124, 124, 207) }
```

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, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 124, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 124, 207);  
box-shadow:4px 4px 4px 4px rgb(124, 124,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2054, 0.2389, 0.2070 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, 207) }
```

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

```
.background{ background-color: rgb(124,  
124, 207) }
```

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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