

Converting Colors

$Y_{xy}(23.9041, 0.1990, 0.1816)$

Have a look what the booklet for
Yxy(23.9041, 0.1990, 0.1816)
contains.

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Color

Yxy(23.8085, 0.1986, 0.1806)

Conversions

Conversions Part 1

Format	Color
Hex	4D83EB
RGB	77, 131, 235
RGB Percent	30%, 51%, 92%
CMY	0.6977, 0.4864, 0.0783
CMYK	0.67, 0.44, 0.00, 0.08
HSL	220°, 80%, 61%
HSV	220°, 67%, 92%
XYZ	26.1814, 23.8085, 81.8401
YIQ	126.7100, -65.5680, 20.8960

Conversions

Conversions Part 2

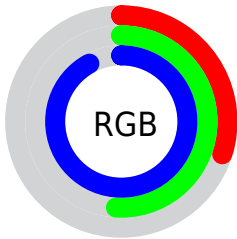
Format	Color
R _Y B	77, 117, 235
Decimal	5080043
CIE Lab	55.90, 15.43, -57.89
CIE LCh	56, 59.908, 284.929
Yxy	23.8085, 0.1986, 0.1806
Android (android.graphics.Color)	4283270123 (0xFF4D83EB)
YUV	126.7100, 53.3870, -43.5957
Hunter-Lab	48.7940, 10.3886, -65.2889

Details

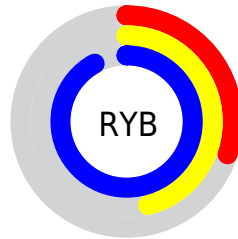
The Yxy color **23.8085, 0.1986, 0.1806** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle muted azure. A complement of this color would be **51.3144, 0.4433, 0.4361**, and the grayscale version is **20.9569, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.1637, 0.2373, 0.2423**, and **9.2489, 0.1737, 0.1454** is the 20% darker color. If you saturate the color by 10%, you get **19.1480, 0.1845, 0.1557**, and if you desaturate by 10%, it is **29.4452, 0.2148, 0.2062**.

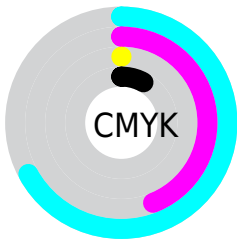
Distribution



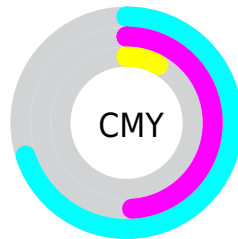
- Red (30%)
- Green (51%)
- Blue (92%)



- Red (30%)
- Yellow (46%)
- Blue (92%)



- Cyan (67%)
- Magenta (44%)
- Yellow (0%)
- Black (8%)





- Cyan (70%)
- Magenta (49%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8085, 0.1986, 0.1806 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 23.8085, 0.1986, 0.1806 by changing the saturation by 10% instead.


 23.8085, 0.1986,
0.1806

 23.8085, 0.1986,
0.1806


271.8509, 0.2582,
0.2544


 15.1916, 0.1838,
0.1634


 49.7175, 0.2204,
0.2067

 8.9540, 0.1653,
0.1423


 67.7785, 0.2285,
0.2168

 4.7112, 0.1417,
0.1165

 89.7562, 0.2354,
0.2254

 2.0788, 0.1116,
0.0853

 116.0352, 0.2413,
0.2328

 0.6527, 0.0742,
0.0481

146.9997, 0.2464,
0.2392

 0.0000, 0.0000,
0.0000

183.0342, 0.2508,

0.2449

224.5232, 0.2547,
0.2499

■ 23.8085, 0.1986,
0.1806

■ 23.8085, 0.1986,
0.1806

■ 19.1480, 0.1845,
0.1557

■ 29.4452, 0.2148,
0.2062

■ 15.3940, 0.1732,
0.1327

■ 36.1158, 0.2322,
0.2315


■ 12.4654, 0.1651,
0.1125


■ 43.8755, 0.2502,
0.2556


■ 11.7653, 0.1632,
0.1073

■ 52.7746, 0.2681,
0.2781

■ 62.8597, 0.2853,
0.2986

 74.1750, 0.3016,
0.3170

 86.7621, 0.3169,
0.3334

 98.6898, 0.3244,
0.3481

 98.7803, 0.3244,
0.3483

Harmonies

Analogous

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



23.8085, 0.1551, 0.1905



23.8085, 0.1986, 0.1806



23.8085, 0.2775, 0.1989

Triad

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



23.8085, 0.1986, 0.1806



23.8085, 0.5158, 0.3693



23.8085, 0.2284, 0.4466

Complementary

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



23.8085, 0.1986, 0.1806



51.3144, 0.4433, 0.4361

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.



23.8085, 0.3184, 0.5203



23.8085, 0.1986, 0.1806



23.8085, 0.4859, 0.4412

Square

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



23.8085, 0.1986, 0.1806



23.8085, 0.4786, 0.3013



23.8085, 0.4118, 0.5050



23.8085, 0.1671, 0.3269

Rectangle

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



23.8085, 0.1986, 0.1806



23.8085, 0.3469, 0.2249



23.8085, 0.4118, 0.5050



23.8085, 0.2564, 0.4805

Sweetspot

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



23.8092, 0.1986, 0.1806



71.9818, 0.2804, 0.2929



64.3047, 0.2585, 0.4054



14.6677, 0.2755, 0.2871



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.



23.8092, 0.1986, 0.1806



21.0340, 0.1794, 0.1459



14.0755, 0.1963, 0.1201



15.3890, 0.2980, 0.3130



6.7586, 0.1640, 0.1102



0.7036, 0.1716, 0.1378

Inverse Universe

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



24.6274, 0.4573, 0.2745



24.7409, 0.5061, 0.2744



73.8747, 0.3865, 0.4920



15.1389, 0.3239, 0.3210



10.1751, 0.5607, 0.2863



0.8164, 0.5220, 0.2649

Previews

White Background



This preview shows how the Yxy color 23.8085, 0.1986, 0.1806 looks on a white background.

Color Contrast Check

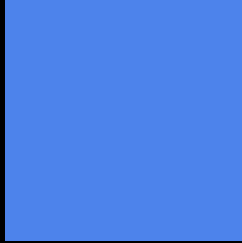
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8085, 0.1986, 0.1806 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

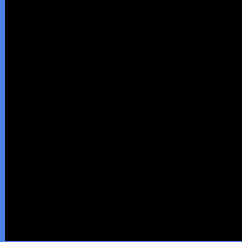
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

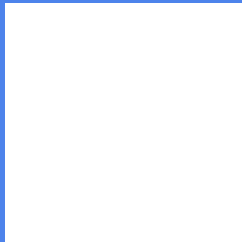
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.8085, 0.1986, 0.1806

Background



This preview shows how black text looks on a background with the Yxy color 23.8085, 0.1986, 0.1806.



This preview shows how white text looks on a background with the Yxy color 23.8085, 0.1986, 0.1806.

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

23.8085, 0.1986, 0.1806

Protanopia

23.8842, 0.2027, 0.1815

Deuteranopia

23.8493, 0.1901, 0.1840



Tritanopia

23.8280, 0.2201, 0.3058

Trichromacy



Original Color

23.8085, 0.1986, 0.1806

Protanomaly

23.7448, 0.2013, 0.1810

Deuteranomaly

23.8606, 0.1927, 0.1835

Tritanomaly

23.3459, 0.2084, 0.2503

Monochromacy



Original Color

23.8085, 0.1986, 0.1806

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.4427, 0.2567, 0.2632

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8085, 0.1986, 0.1806 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, 235)` looks like.

```
.text, #text, p{  
  color:rgb(77, 131, 235)  
}
```

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, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 131, 235) }
```

Border

The CSS property to change the border of an element to Yxy 23.8085, 0.1986, 0.1806 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, 235) }
```

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

```
.border{ border-color:rgb(77, 131, 235) }
```

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, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 131, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 131, 235);  
box-shadow:4px 4px 4px 4px rgb(77, 131,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8085, 0.1986, 0.1806 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, 235) }
```

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

```
.background{ background-color: rgb(77, 131,  
235) }
```

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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