

Converting Colors

$Yxy(23.8842, 0.2027, 0.1815)$

Have a look what the booklet for
Yxy(23.8842, 0.2027, 0.1815)
contains.

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Color

Yxy(23.8842, 0.2027, 0.1815)

Conversions

Conversions Part 1

Format	Color
Hex	5682EA
RGB	86, 130, 234
RGB Percent	34%, 51%, 92%
CMY	0.6625, 0.4902, 0.0824
CMYK	0.63, 0.44, 0.00, 0.08
HSL	222°, 78%, 63%
HSV	222°, 63%, 92%
XYZ	26.6740, 23.8842, 81.0352
YIQ	128.7000, -59.6080, 23.0160

Conversions

Conversions Part 2

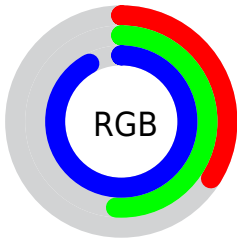
Format	Color
R _Y B	86, 120, 234
Decimal	5669610
CIE Lab	55.97, 17.13, -57.16
CIE LCh	56, 59.669, 286.686
Yxy	23.8842, 0.2027, 0.1815
Android (android.graphics.Color)	4283859690 (0xFF5682EA)
YUV	128.7000, 51.9129, -37.4479
Hunter-Lab	48.8715, 11.9000, -64.1005

Details

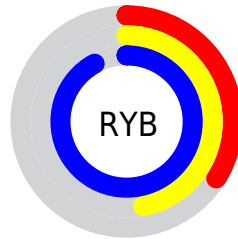
The Yxy color **23.8842, 0.2027, 0.1815** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **55.0154, 0.4301, 0.4379**, and the grayscale version is **21.6791, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9718, 0.2408, 0.2407**, and **9.0992, 0.1732, 0.1436** is the 20% darker color. If you saturate the color by 10%, you get **18.9176, 0.1872, 0.1550**, and if you desaturate by 10%, it is **29.9154, 0.2201, 0.2086**.

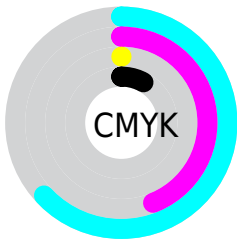
Distribution



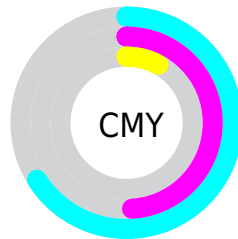
- Red (34%)
- Green (51%)
- Blue (92%)



- Red (34%)
- Yellow (47%)
- Blue (92%)



- Cyan (63%)
- Magenta (44%)
- Yellow (0%)
- Black (8%)



- Cyan (66%)
- Magenta (49%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.8842, 0.2027, 0.1815 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 23.8842, 0.2027, 0.1815 by changing the saturation by 10% instead.

■ 23.8842, 0.2027,
0.1815

■ 23.8842, 0.2027,
0.1815

272.2345, 0.2604,
0.2547

■ 15.2477, 0.1883,
0.1644

■ 49.8412, 0.2238,
0.2074

■ 8.9934, 0.1701,
0.1435

■ 67.9305, 0.2318,
0.2174

■ 4.7369, 0.1469,
0.1178

■ 89.9395, 0.2384,
0.2259

■ 2.0937, 0.1169,
0.0866

■ 116.2527, 0.2441,
0.2333

■ 0.6611, 0.0793,
0.0493

147.2543, 0.2491,
0.2397

■ 0.0000, 0.0000,
0.0000

183.3290, 0.2533,

0.2453

224.8609, 0.2571,
0.2503

■ 23.8842, 0.2027,
0.1815

■ 23.8842, 0.2027,
0.1815

■ 18.9176, 0.1872,
0.1550

■ 29.9154, 0.2201,
0.2086

■ 14.9431, 0.1744,
0.1304

■ 37.0719, 0.2384,
0.2351


■ 11.8808, 0.1649,
0.1090

■ 45.4120, 0.2568,
0.2603

■ 10.2561, 0.1602,
0.0966

■ 54.9893, 0.2748,
0.2836

■ 65.8536, 0.2919,
0.3046

 78.0520, 0.3078,
0.3234

 91.6291, 0.3225,
0.3400

 98.7197, 0.3250,
0.3493

Harmonies

Analogous

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



23.8842, 0.1573, 0.1896



23.8842, 0.2027, 0.1815



23.8842, 0.2834, 0.2013

Triad

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



23.8842, 0.2027, 0.1815



23.8842, 0.5148, 0.3735



23.8842, 0.2243, 0.4393

Complementary

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



23.8842, 0.2027, 0.1815



55.0154, 0.4301, 0.4379

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.



23.8842, 0.3129, 0.5175



23.8842, 0.2027, 0.1815



23.8842, 0.4818, 0.4451

Square

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



23.8842, 0.2027, 0.1815



23.8842, 0.4819, 0.3053



23.8842, 0.4064, 0.5070



23.8842, 0.1653, 0.3204

Rectangle

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



23.8842, 0.2027, 0.1815



23.8842, 0.3531, 0.2281



23.8842, 0.4064, 0.5070



23.8842, 0.2516, 0.4743

Sweetspot

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



23.8850, 0.2027, 0.1815



72.1009, 0.2820, 0.2925



64.5200, 0.2565, 0.3893



14.6429, 0.2770, 0.2863



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.



23.8850, 0.2027, 0.1815



21.3532, 0.1828, 0.1470



16.2950, 0.2089, 0.1344



15.2780, 0.2980, 0.3120



5.9549, 0.1609, 0.0993



0.6298, 0.1685, 0.1264

Inverse Universe

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



25.7678, 0.4539, 0.2833



25.9448, 0.5019, 0.2816



72.4050, 0.3782, 0.4881



15.1277, 0.3246, 0.3220



10.0940, 0.5770, 0.2952



0.8090, 0.5376, 0.2735

Previews

White Background



This preview shows how the Yxy color 23.8842, 0.2027, 0.1815 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 23.8842, 0.2027, 0.1815 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

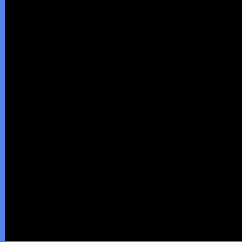
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

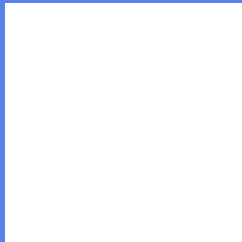
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.8842, 0.2027, 0.1815

Background



This preview shows how black text looks on a background with the Yxy color 23.8842, 0.2027, 0.1815.



This preview shows how white text looks on a background with the Yxy color 23.8842, 0.2027, 0.1815.

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

23.8842, 0.2027, 0.1815

Protanopia

23.8842, 0.2027, 0.1815

Deuteranopia

23.9412, 0.1920, 0.1854



Tritanopia

23.9285, 0.2273, 0.3060

Trichromacy



Original Color

23.8842, 0.2027, 0.1815

Protanomaly

23.8842, 0.2027, 0.1815

Deuteranomaly

23.7482, 0.1950, 0.1837

Tritanomaly

23.5556, 0.2160, 0.2513

Monochromacy



Original Color

23.8842, 0.2027, 0.1815

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.0012, 0.2597, 0.2641

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8842, 0.2027, 0.1815 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(86, 130, 234)` looks like.

```
.text, #text, p{  
    color:rgb(86, 130, 234)  
}
```

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(86, 130, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 130, 234) }
```

Border

The CSS property to change the border of an element to Yxy 23.8842, 0.2027, 0.1815 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(86, 130, 234) }
```

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

```
.border{ border-color:rgb(86, 130, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 130, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 130, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 130, 234);  
box-shadow:4px 4px 4px 4px rgb(86, 130,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8842, 0.2027, 0.1815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 130, 234) }
```

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

```
.background{ background-color: rgb(86, 130,  
234) }
```

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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