

Converting Colors

$Y_{xy}(23.8837, 0.2125, 0.2071)$

Have a look what the booklet for
Yxy(23.8837, 0.2125, 0.2071)
contains.

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Color

Yxy(23.8837, 0.2125, 0.2071)

Conversions

Conversions Part 1

Format	Color
Hex	5686D6
RGB	86, 134, 214
RGB Percent	34%, 53%, 84%
CMY	0.6624, 0.4746, 0.1608
CMYK	0.60, 0.37, 0.00, 0.16
HSL	218°, 61%, 59%
HSV	218°, 60%, 84%
XYZ	24.5065, 23.8837, 66.9343
YIQ	128.7680, -54.2880, 14.7040

Conversions

Conversions Part 2

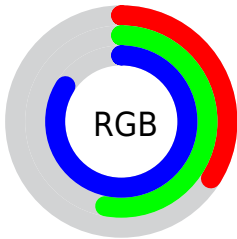
Format	Color
R _Y B	86, 121, 214
Decimal	5670614
CIE Lab	55.97, 8.02, -45.97
CIE LCh	56, 46.662, 279.892
Yxy	23.8837, 0.2125, 0.2071
Android (android.graphics.Color)	4283860694 (0xFF5686D6)
YUV	128.7680, 42.0194, -37.5075
Hunter-Lab	48.8710, 3.9851, -46.9947

Details

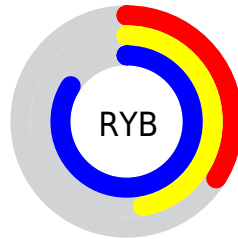
The Yxy color **23.8837, 0.2125, 0.2071** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle muted azure. A complement of this color would be **42.2817, 0.4304, 0.4225**, and the grayscale version is **21.7401, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.7804, 0.2401, 0.2466**, and **9.0067, 0.1811, 0.1713** is the 20% darker color. If you saturate the color by 10%, you get **19.5460, 0.1972, 0.1828**, and if you desaturate by 10%, it is **28.9956, 0.2292, 0.2311**.

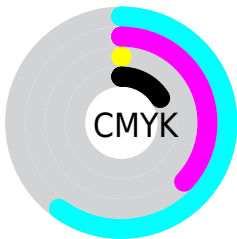
Distribution



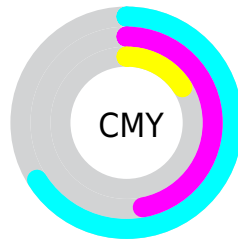
- Red (34%)
- Green (53%)
- Blue (84%)



- Red (34%)
- Yellow (47%)
- Blue (84%)



- Cyan (60%)
- Magenta (37%)
- Yellow (0%)
- Black (16%)



- Cyan (66%)
- Magenta (47%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.8837, 0.2125, 0.2071 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 23.8837, 0.2125, 0.2071 by changing the saturation by 10% instead.

■ 23.8837, 0.2125,
0.2071

■ 23.8837, 0.2125,
0.2071

272.2320, 0.2656,
0.2700

■ 15.2474, 0.1988,
0.1914

■ 49.8403, 0.2322,
0.2301

■ 8.9932, 0.1812,
0.1716

■ 67.9295, 0.2395,
0.2387

■ 4.7367, 0.1582,
0.1461

■ 89.9383, 0.2457,
0.2460

■ 2.0936, 0.1274,
0.1131

■ 116.2512, 0.2509,
0.2522

■ 0.6610, 0.0867,
0.0695

147.2527, 0.2553,
0.2576

■ 0.0000, 0.0000,
0.0000

183.3270, 0.2592,

0.2623

224.8587, 0.2626,
0.2664

■ 23.8837, 0.2125,
0.2071

■ 23.8837, 0.2125,
0.2071

■ 19.5460, 0.1972,
0.1828

■ 28.9956, 0.2292,
0.2311

■ 15.9346, 0.1841,
0.1592

■ 34.9204, 0.2466,
0.2542

■ 12.9986, 0.1737,
0.1372

■ 41.6968, 0.2641,
0.2758

■ 10.6597, 0.1661,
0.1177

■ 49.3598, 0.2813,
0.2956

■ 10.6104, 0.1659,
0.1172

■ 57.9427, 0.2976,
0.3134

67.4764, 0.3131,
0.3294

77.9908, 0.3274,
0.3434

89.0758, 0.3391,
0.3559

97.2987, 0.3370,
0.3686

Harmonies

Analogous

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



23.8837, 0.1798, 0.2218



23.8837, 0.2125, 0.2071



23.8837, 0.2734, 0.2182

Triad

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



23.8837, 0.2125, 0.2071



23.8837, 0.4719, 0.3578



23.8837, 0.2594, 0.4309

Complementary

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



23.8837, 0.2125, 0.2071



42.2817, 0.4304, 0.4225

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.



23.8837, 0.3349, 0.4777



23.8837, 0.2125, 0.2071



23.8837, 0.4606, 0.4166

Square

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



23.8837, 0.2125, 0.2071



23.8837, 0.4321, 0.3003



23.8837, 0.4086, 0.4650



23.8837, 0.2025, 0.3447

Rectangle

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



23.8837, 0.2125, 0.2071



23.8837, 0.3266, 0.2381



23.8837, 0.4086, 0.4650



23.8837, 0.2834, 0.4531

Sweetspot

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



23.8845, 0.2125, 0.2071



75.3381, 0.2839, 0.2985



52.7904, 0.2639, 0.4017



15.3650, 0.2790, 0.2930



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.



23.8845, 0.2125, 0.2071



27.3727, 0.1931, 0.1757



14.2943, 0.2076, 0.1424



12.7629, 0.2982, 0.3140



6.5979, 0.1667, 0.1199



0.5545, 0.1764, 0.1549

Inverse Universe

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



22.6880, 0.4255, 0.2730



27.7152, 0.4656, 0.2674



60.9177, 0.3846, 0.4752



12.4970, 0.3233, 0.3203



9.0109, 0.5467, 0.2785



0.5593, 0.4996, 0.2526

Previews

White Background



This preview shows how the Yxy color 23.8837, 0.2125, 0.2071 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 23.8837, 0.2125, 0.2071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

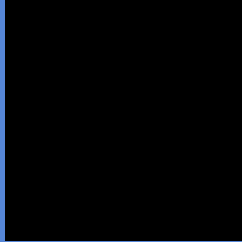
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

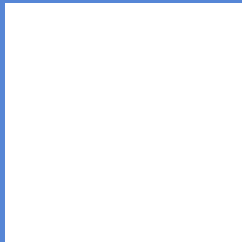
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.8837, 0.2125, 0.2071

Background



This preview shows how black text looks on a background with the Yxy color 23.8837, 0.2125, 0.2071.

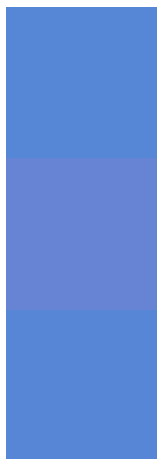


This preview shows how white text looks on a background with the Yxy color 23.8837, 0.2125, 0.2071.

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

23.8837, 0.2125, 0.2071

Protanopia

23.8193, 0.2231, 0.2086

Deuteranopia

23.9315, 0.2130, 0.2073



Tritanopia

23.9842, 0.2350, 0.3081

Trichromacy



Original Color

23.8837, 0.2125, 0.2071

Protanomaly

23.7974, 0.2191, 0.2080

Deuteranomaly

23.9315, 0.2130, 0.2073

Tritanomaly

23.8624, 0.2254, 0.2659

Monochromacy



Original Color

23.8837, 0.2125, 0.2071

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.2814, 0.2659, 0.2786

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8837, 0.2125, 0.2071 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, 134, 214)` looks like.

```
.text, #text, p{  
    color:rgb(86, 134, 214)  
}
```

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, 134, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 134, 214) }
```

Border

The CSS property to change the border of an element to Yxy 23.8837, 0.2125, 0.2071 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, 134, 214) }
```

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

```
.border{ border-color:rgb(86, 134, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 134, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 134, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 134, 214);  
box-shadow:4px 4px 4px 4px rgb(86, 134,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8837, 0.2125, 0.2071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 134, 214) }
```

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

```
.background{ background-color: rgb(86, 134,  
214) }
```

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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