

Converting Colors

$Y_{xy}(23.6006, 0.2056, 0.1885)$

Have a look what the booklet for
Yxy(23.6006, 0.2056, 0.1885)
contains.

Yxy(23.4897, 0.2054, 0.1879)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(23.4897, 0.2054, 0.1879)

Conversions

Conversions Part 1

Format	Color
Hex	5682E3
RGB	86, 130, 227
RGB Percent	34%, 51%, 89%
CMY	0.6631, 0.4901, 0.1099
CMYK	0.62, 0.43, 0.00, 0.11
HSL	221°, 72%, 61%
HSV	221°, 62%, 89%
XYZ	25.6774, 23.4897, 75.8446
YIQ	127.9020, -57.3610, 20.8390

Conversions

Conversions Part 2

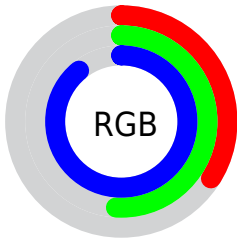
Format	Color
R _Y B	86, 120, 227
Decimal	5669603
CIE Lab	55.57, 14.72, -53.89
CIE LCh	56, 55.863, 285.280
Yxy	23.4897, 0.2054, 0.1879
Android (android.graphics.Color)	4283859683 (0xFF5682E3)
YUV	127.9020, 48.8553, -36.7481
Hunter-Lab	48.4662, 9.7536, -58.8565

Details

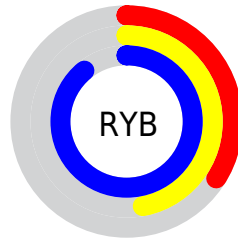
The Yxy color **23.4897, 0.2054, 0.1879** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **50.8154, 0.4295, 0.4343**, and the grayscale version is **21.3875, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.2900, 0.2404, 0.2418**, and **8.8251, 0.1750, 0.1501** is the 20% darker color. If you saturate the color by 10%, you get **18.7387, 0.1898, 0.1617**, and if you desaturate by 10%, it is **29.2135, 0.2227, 0.2144**.

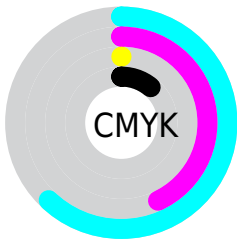
Distribution



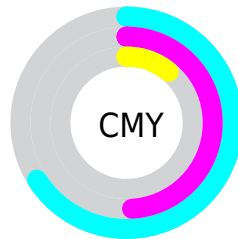
- Red (34%)
- Green (51%)
- Blue (89%)



- Red (34%)
- Yellow (47%)
- Blue (89%)



- Cyan (62%)
- Magenta (43%)
- Yellow (0%)
- Black (11%)




- Cyan (66%)
- Magenta (49%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4897, 0.2054, 0.1879 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 23.4897, 0.2054, 0.1879 by changing the saturation by 10% instead.


 23.4897, 0.2054,
0.1879


 23.4897, 0.2054,
0.1879


270.2303, 0.2620,
0.2589


 14.9555, 0.1911,
0.1710


 49.1962, 0.2263,
0.2133


 8.7882, 0.1729,
0.1501


 67.1372, 0.2340,
0.2230

 4.6033, 0.1495,
0.1241

 88.9827, 0.2406,
0.2312

 2.0164, 0.1190,
0.0920

 115.1171, 0.2462,
0.2383

 0.6170, 0.0802,
0.0521

145.9246, 0.2510,
0.2445

 0.0000, 0.0000,
0.0000

181.7897, 0.2551,

0.2499

223.0968, 0.2588,
0.2546

■ 23.4897, 0.2054,
0.1879

■ 23.4897, 0.2054,
0.1879

■ 18.7387, 0.1898,
0.1617

■ 29.2135, 0.2227,
0.2144

■ 14.8961, 0.1768,
0.1371

■ 35.9634, 0.2408,
0.2402

■ 11.8919, 0.1669,
0.1153

■ 43.7915, 0.2590,
0.2646

■ 10.0485, 0.1613,
0.1006

■ 52.7450, 0.2768,
0.2870

■ 62.8685, 0.2937,
0.3073

■ 74.2039, 0.3095,
0.3254

■ 86.7908, 0.3240,
0.3414

■ 98.2189, 0.3292,
0.3560

■ 98.3254, 0.3292,
0.3562

Harmonies

Analogous

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



23.4897, 0.1630, 0.1976



23.4897, 0.2054, 0.1879



23.4897, 0.2810, 0.2057

Triad

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



23.4897, 0.2054, 0.1879



23.4897, 0.5041, 0.3701



23.4897, 0.2331, 0.4370

Complementary

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



23.4897, 0.2054, 0.1879



50.8154, 0.4295, 0.4343

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.



23.4897, 0.3186, 0.5068



23.4897, 0.2054, 0.1879



23.4897, 0.4768, 0.4384

Square

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



23.4897, 0.2054, 0.1879



23.4897, 0.4691, 0.3045



23.4897, 0.4073, 0.4962



23.4897, 0.1746, 0.3267

Rectangle

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



23.4897, 0.2054, 0.1879



23.4897, 0.3464, 0.2308



23.4897, 0.4073, 0.4962



23.4897, 0.2597, 0.4685

Sweetspot

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



23.4905, 0.2054, 0.1879



72.5035, 0.2820, 0.2934



60.2962, 0.2582, 0.3914



14.7391, 0.2771, 0.2873



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.



23.4905, 0.2054, 0.1879



22.6041, 0.1852, 0.1533



15.6165, 0.2093, 0.1371



14.6187, 0.2981, 0.3124



6.0447, 0.1620, 0.1032



0.6080, 0.1701, 0.1322

Inverse Universe

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



24.5824, 0.4464, 0.2812



26.3425, 0.4936, 0.2786



68.0368, 0.3793, 0.4846



14.4419, 0.3243, 0.3217



9.8079, 0.5711, 0.2920



0.7411, 0.5296, 0.2691

Previews

White Background



This preview shows how the Yxy color 23.4897, 0.2054, 0.1879 looks on a white background.

Color Contrast Check

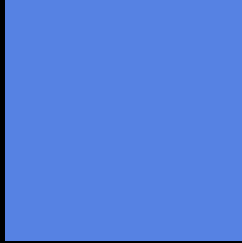
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4897, 0.2054, 0.1879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

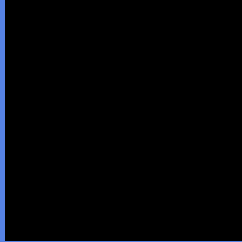
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

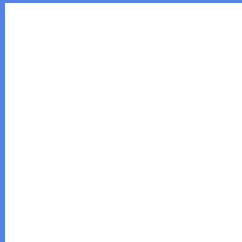
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.4897, 0.2054, 0.1879

Background



This preview shows how black text looks on a background with the Yxy color 23.4897, 0.2054, 0.1879.



This preview shows how white text looks on a background with the Yxy color 23.4897, 0.2054, 0.1879.

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

23.4897, 0.2054, 0.1879

Protanopia

23.3652, 0.2076, 0.1880

Deuteranopia

23.5979, 0.1974, 0.1917



Tritanopia

23.3889, 0.2299, 0.3059

Trichromacy



Original Color

23.4897, 0.2054, 0.1879

Protanomaly

23.3153, 0.2071, 0.1879

Deuteranomaly

23.6056, 0.2001, 0.1911

Tritanomaly

23.2236, 0.2194, 0.2556

Monochromacy



Original Color

23.4897, 0.2054, 0.1879

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.8916, 0.2622, 0.2687

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4897, 0.2054, 0.1879 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, 227)` looks like.

```
.text, #text, p{  
    color:rgb(86, 130, 227)  
}
```

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, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 130, 227) }
```

Border

The CSS property to change the border of an element to Yxy 23.4897, 0.2054, 0.1879 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, 227) }
```

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

```
.border{ border-color:rgb(86, 130, 227) }
```

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, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 130, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 130, 227);  
box-shadow:4px 4px 4px 4px rgb(86, 130,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4897, 0.2054, 0.1879 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, 227) }
```

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

```
.background{ background-color: rgb(86, 130,  
227) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor