

Converting Colors

$Y_{xy}(23.3890, 0.1880, 0.1664)$

Have a look what the booklet for
Yxy(23.3890, 0.1880, 0.1664)
contains.

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Color

Yxy(23.3457, 0.1877, 0.1657)

Conversions

Conversions Part 1

Format	Color
Hex	3B81F7
RGB	59, 129, 247
RGB Percent	23%, 51%, 97%
CMY	0.7682, 0.4941, 0.0314
CMYK	0.76, 0.48, 0.00, 0.03
HSL	218°, 92%, 60%
HSV	218°, 76%, 97%
XYZ	26.4453, 23.3457, 91.1004
YIQ	121.5220, -79.5980, 21.8580

Conversions

Conversions Part 2

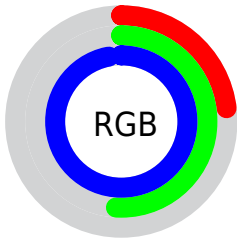
Format	Color
R _Y B	59, 110, 247
Decimal	3899895
CIE Lab	55.43, 18.54, -65.31
CIE LCh	55, 67.891, 285.851
Yxy	23.3457, 0.1877, 0.1657
Android (android.graphics.Color)	4282089975 (0xFF3B81F7)
YUV	121.5220, 61.8607, -54.8318
Hunter-Lab	48.3174, 13.1421, -77.9666

Details

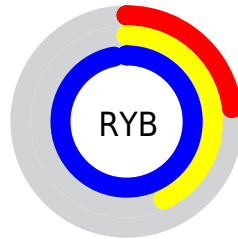
The Yxy color **23.3457, 0.1877, 0.1657** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle washed azure. A complement of this color would be **51.5760, 0.4664, 0.4383**, and the grayscale version is **19.1224, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.0930, 0.2312, 0.2373**, and **9.6026, 0.1705, 0.1338** is the 20% darker color. If you saturate the color by 10%, you get **18.9795, 0.1763, 0.1429**, and if you desaturate by 10%, it is **28.6904, 0.2017, 0.1899**.

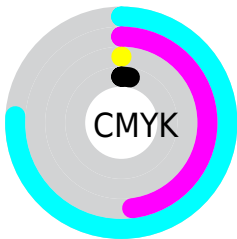
Distribution



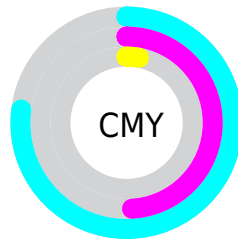
- Red (23%)
- Green (51%)
- Blue (97%)



- Red (23%)
- Yellow (43%)
- Blue (97%)



- Cyan (76%)
- Magenta (48%)
- Yellow (0%)
- Black (3%)



- Cyan (77%)
- Magenta (49%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.3457, 0.1877, 0.1657 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 23.3457, 0.1877, 0.1657 by changing the saturation by 10% instead.

■ 23.3457, 0.1877,
0.1657

■ 23.3457, 0.1877,
0.1657

269.4956, 0.2522,
0.2452

■ 14.8490, 0.1721,
0.1478

■ 48.9603, 0.2110,
0.1934

■ 8.7135, 0.1529,
0.1264

■ 66.8471, 0.2198,
0.2042

■ 4.5548, 0.1289,
0.1008

■ 88.6326, 0.2273,
0.2135

■ 1.9885, 0.0992,
0.0710

■ 114.7012, 0.2337,
0.2215

■ 0.6008, 0.0641,
0.0371

145.4375, 0.2393,
0.2286

■ 0.0000, 0.0000,
0.0000

181.2257, 0.2442,

0.2348

222.4503, 0.2484,
0.2403

■ 23.3457, 0.1877,
0.1657

■ 23.3457, 0.1877,
0.1657

■ 18.9795, 0.1763,
0.1429

■ 28.6904, 0.2017,
0.1899

■ 15.5068, 0.1680,
0.1224

■ 35.0821, 0.2177,
0.2145

■ 14.3466, 0.1653,
0.1151

■ 42.5842, 0.2349,
0.2386

■ 51.2536, 0.2526,
0.2615

■ 61.1428, 0.2701,
0.2827

■ 72.3009, 0.2872,
0.3021

■ 84.7741, 0.3034,
0.3194

■ 98.2818, 0.3175,
0.3348

■ 99.4949, 0.3174,
0.3367

Harmonies

Analogous

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



23.3457, 0.1402, 0.1742



23.3457, 0.1877, 0.1657



23.3457, 0.2754, 0.1865

Triad

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



23.3457, 0.1877, 0.1657



23.3457, 0.5405, 0.3704



23.3457, 0.2131, 0.4614

Complementary

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



23.3457, 0.1877, 0.1657



51.5760, 0.4664, 0.4383

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.



23.3457, 0.3112, 0.5490



23.3457, 0.1877, 0.1657



23.3457, 0.5006, 0.4500

Square

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



23.3457, 0.1877, 0.1657



23.3457, 0.5038, 0.2976



23.3457, 0.4148, 0.5259



23.3457, 0.1488, 0.3202

Rectangle

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



23.3457, 0.1877, 0.1657



23.3457, 0.3542, 0.2150



23.3457, 0.4148, 0.5259



23.3457, 0.2434, 0.5025

Sweetspot

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



23.3464, 0.1877, 0.1657



69.2313, 0.2754, 0.2888



70.5432, 0.2590, 0.4269



13.9296, 0.2691, 0.2815



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.



23.3464, 0.1877, 0.1657



18.3949, 0.1717, 0.1322



11.6044, 0.1777, 0.0948



16.9364, 0.2980, 0.3137



7.8373, 0.1662, 0.1182



0.8789, 0.1731, 0.1430

Inverse Universe

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



24.4964, 0.4793, 0.2675



22.9806, 0.5280, 0.2738



82.8521, 0.3954, 0.5031



16.5845, 0.3235, 0.3202



10.8906, 0.5493, 0.2799



0.9764, 0.5151, 0.2611

Previews

White Background



This preview shows how the Yxy color 23.3457, 0.1877, 0.1657 looks on a white background.

Color Contrast Check

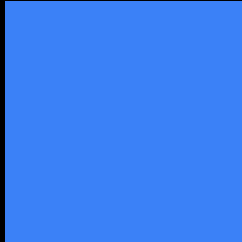
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3457, 0.1877, 0.1657 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

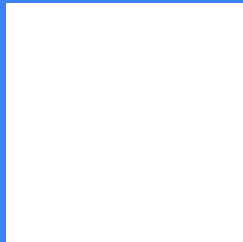
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.3457, 0.1877, 0.1657

Background



This preview shows how black text looks on a background with the Yxy color 23.3457, 0.1877, 0.1657.



This preview shows how white text looks on a background with the Yxy color 23.3457, 0.1877, 0.1657.

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

23.3457, 0.1877, 0.1657

Protanopia

23.3943, 0.1912, 0.1664

Deuteranopia

23.1063, 0.1830, 0.1786



Tritanopia

22.9921, 0.2187, 0.3073

Trichromacy



Original Color

23.3457, 0.1877, 0.1657

Protanomaly

23.2504, 0.1898, 0.1659

Deuteranomaly

22.9532, 0.1829, 0.1728

Tritanomaly

22.6333, 0.2026, 0.2416

Monochromacy



Original Color

23.3457, 0.1877, 0.1657

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.1099, 0.2463, 0.2546

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3457, 0.1877, 0.1657 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(59, 129, 247)` looks like.

```
.text, #text, p{  
    color:rgb(59, 129, 247)  
}
```

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(59, 129, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 129, 247) }
```

Border

The CSS property to change the border of an element to Yxy 23.3457, 0.1877, 0.1657 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(59, 129, 247) }
```

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

```
.border{ border-color:rgb(59, 129, 247) }
```

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

Here you see how a box with a 4 pixel rgb(59, 129, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 129, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 129, 247);  
box-shadow:4px 4px 4px 4px rgb(59, 129,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3457, 0.1877, 0.1657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 129, 247) }
```

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

```
.background{ background-color: rgb(59, 129,  
247) }
```

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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