

Converting Colors

$Yxy(23.6589, 0.1863, 0.1850)$

Have a look what the booklet for
Yxy(23.6589, 0.1863, 0.1850)
contains.

Yxy(23.6509, 0.1863, 0.1850)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.6509, 0.1863, 0.1850)

Conversions

Conversions Part 1

Format	Color
Hex	1588E9
RGB	21, 136, 233
RGB Percent	8%, 53%, 91%
CMY	0.9176, 0.4666, 0.0864
CMYK	0.91, 0.42, 0.00, 0.09
HSL	207°, 83%, 50%
HSV	207°, 91%, 91%
XYZ	23.8171, 23.6509, 80.3747
YIQ	112.6730, -99.6770, 5.7870

Conversions

Conversions Part 2

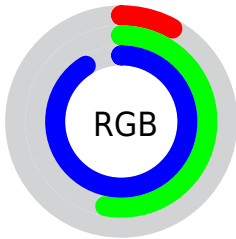
Format	Color
R_{YB}	21, 96, 233
Decimal	1411305
CIE Lab	55.74, 6.02, -57.07
CIE LCh	56, 57.384, 276.017
Yxy	23.6509, 0.1863, 0.1850
Android (android.graphics.Color)	4279601385 (0xFF1588E9)
YUV	112.6730, 59.3212, -80.3972
Hunter-Lab	48.6322, 2.3121, -63.9464

Details

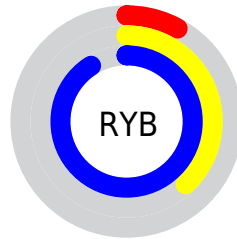
The Yxy color **23.6509, 0.1863, 0.1850** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **30.3226, 0.5363, 0.4045**, and the grayscale version is **16.2573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9302, 0.2234, 0.2457**, and **9.9907, 0.1765, 0.1555** is the 20% darker color. If you saturate the color by 10%, you get **20.9042, 0.1805, 0.1699**, and if you desaturate by 10%, it is **27.1873, 0.1947, 0.2025**.

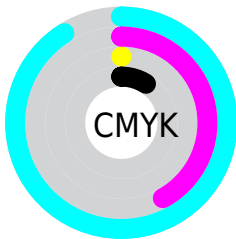
Distribution



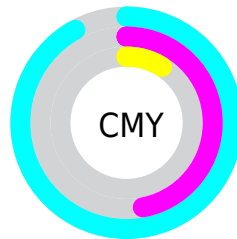
- Red (8%)
- Green (53%)
- Blue (91%)



- Red (8%)
- Yellow (38%)
- Blue (91%)



- Cyan (91%)
- Magenta (42%)
- Yellow (0%)
- Black (9%)



- Cyan (92%)
- Magenta (47%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.6509, 0.1863, 0.1850 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 23.6509, 0.1863, 0.1850 by changing the saturation by 10% instead.

■ 23.6509, 0.1863,
0.1850

■ 23.6509, 0.1863,
0.1850

271.0508, 0.2514,
0.2578

■ 15.0749, 0.1704,
0.1677

■ 49.4599, 0.2099,
0.2110

■ 8.8719, 0.1507,
0.1464

■ 67.4617, 0.2188,
0.2210

■ 4.6577, 0.1260,
0.1201

■ 89.3741, 0.2264,
0.2295

■ 2.0479, 0.0952,
0.0880

■ 115.5817, 0.2329,
0.2367

■ 0.6351, 0.0582,
0.0493

■ 146.4688, 0.2385,
0.2431

■ 0.0000, 0.0000,
0.0000

182.4197, 0.2433,

0.2486

223.8189, 0.2476,
0.2535

■ 23.6509, 0.1863,
0.1850

■ 23.6509, 0.1863,
0.1850

■ 20.9042, 0.1805,
0.1699

■ 27.1873, 0.1947,
0.2025

■ 31.3195, 0.2053,
0.2205

■ 36.0984, 0.2180,
0.2384

■ 41.5671, 0.2323,
0.2560

■ 47.7637, 0.2476,
0.2727

■ 54.7230, 0.2636,
0.2884

■ 62.4771, 0.2797,
0.3029

■ 71.0558, 0.2957,
0.3161

■ 80.4874, 0.3112,
0.3279

Harmonies

Analogous

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



23.6509, 0.1535, 0.2043



23.6509, 0.1863, 0.1850



23.6509, 0.2528, 0.1950

Triad

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



23.6509, 0.1863, 0.1850



23.6509, 0.5048, 0.3491



23.6509, 0.2560, 0.4704

Complementary

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



23.6509, 0.1863, 0.1850



30.3226, 0.5363, 0.4045

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.



23.6509, 0.3468, 0.5161



23.6509, 0.1863, 0.1850



23.6509, 0.4946, 0.4183

Square

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



23.6509, 0.1863, 0.1850



23.6509, 0.4491, 0.2843



23.6509, 0.4337, 0.4840



23.6509, 0.1860, 0.3609

Rectangle

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



23.6509, 0.1863, 0.1850



23.6509, 0.3151, 0.2158



23.6509, 0.4337, 0.4840



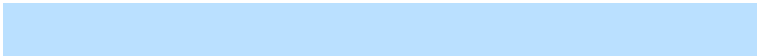
23.6509, 0.2853, 0.4955

Sweetspot

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



23.6516, 0.1863, 0.1850



70.7232, 0.2698, 0.2942



59.6884, 0.2747, 0.5026



14.4595, 0.2642, 0.2891



0.0000, 0.0000, 0.0000



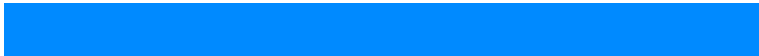
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.6516, 0.1863, 0.1850



25.4974, 0.1803, 0.1691



7.0531, 0.1549, 0.0704



15.9031, 0.2981, 0.3180



12.1164, 0.1812, 0.1724



1.1435, 0.1878, 0.1959

Inverse Universe

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



19.6327, 0.4615, 0.2365



23.1051, 0.4818, 0.2428



69.8107, 0.4258, 0.4959



15.1908, 0.3208, 0.3163



10.7160, 0.4777, 0.2405



0.8608, 0.4500, 0.2252

Previews

White Background



This preview shows how the Yxy color 23.6509, 0.1863, 0.1850 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 23.6509, 0.1863, 0.1850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

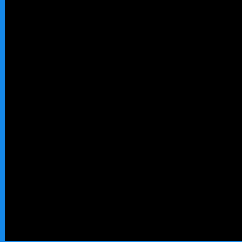
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

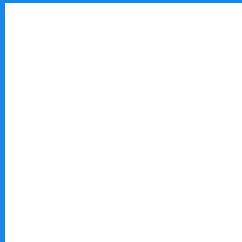
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.6509, 0.1863, 0.1850

Background



This preview shows how black text looks on a background with the Yxy color 23.6509, 0.1863, 0.1850.



This preview shows how white text looks on a background with the Yxy color 23.6509, 0.1863, 0.1850.

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

23.6509, 0.1863, 0.1850

Protanopia

23.4202, 0.2072, 0.1871

Deuteranopia

23.7690, 0.1901, 0.1848



Tritanopia

23.3361, 0.2187, 0.3074

Trichromacy



Original Color

23.6509, 0.1863, 0.1850

Protanomaly

23.2835, 0.1963, 0.1860

Deuteranomaly

23.5862, 0.1882, 0.1842

Tritanomaly

23.1993, 0.2047, 0.2542

Monochromacy



Original Color

23.6509, 0.1863, 0.1850

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.8145, 0.2369, 0.2600

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6509, 0.1863, 0.1850 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(21, 136, 233)` looks like.

```
.text, #text, p{  
    color:rgb(21, 136, 233)  
}
```

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(21, 136, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 136, 233) }
```

Border

The CSS property to change the border of an element to Yxy 23.6509, 0.1863, 0.1850 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(21, 136, 233) }
```

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

```
.border{ border-color:rgb(21, 136, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 136, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 136, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 136, 233);  
box-shadow:4px 4px 4px 4px rgb(21, 136,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6509, 0.1863, 0.1850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 136, 233) }
```

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

```
.background{ background-color: rgb(21, 136,  
233) }
```

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