

Converting Colors

$Y_{xy}(23.3123, 0.1849, 0.1571)$

Have a look what the booklet for
Yxy(23.3123, 0.1849, 0.1571)
contains.

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Color

Yxy(23.3286, 0.1849, 0.1572)

Conversions

Conversions Part 1

Format	Color
Hex	3B7FFF
RGB	59, 127, 255
RGB Percent	23%, 50%, 100%
CMY	0.7685, 0.5019, 0.0001
CMYK	0.77, 0.50, 0.00, 0.00
HSL	219°, 100%, 62%
HSV	219°, 77%, 100%
XYZ	27.4393, 23.3286, 97.6329
YIQ	121.2600, -81.6160, 25.3920

Conversions

Conversions Part 2

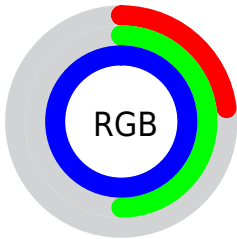
Format	Color
RYB	59, 109, 255
Decimal	3899391
CIELab	55.41, 22.66, -69.74
CIElCh	55, 73.329, 287.999
Yxy	23.3286, 0.1849, 0.1572
Android (android.graphics.Color)	4282089471 (0xFF3B7FFF)
YUV	121.2600, 65.9338, -54.6020
Hunter-Lab	48.2997, 16.8823, -86.0389

Details

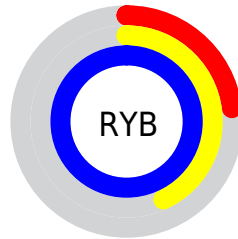
The Yxy color **23.3286, 0.1849, 0.1572** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle washed azure. A complement of this color would be **57.1085, 0.4638, 0.4430**, and the grayscale version is **19.0158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.4467, 0.2318, 0.2350**, and **9.6232, 0.1683, 0.1258** is the 20% darker color. If you saturate the color by 10%, you get **18.7788, 0.1736, 0.1341**, and if you desaturate by 10%, it is **28.9706, 0.1990, 0.1820**.

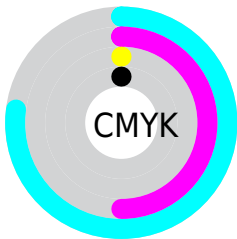
Distribution



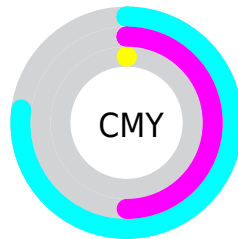
- Red (23%)
- Green (50%)
- Blue (100%)



- Red (23%)
- Yellow (43%)
- Blue (100%)



- Cyan (77%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)




- Cyan (77%)
- Magenta (50%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3286, 0.1849, 0.1572 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 23.3286, 0.1849, 0.1572 by changing the saturation by 10% instead.


 23.3286, 0.1849,
0.1572


 23.3286, 0.1849,
0.1572


269.4083, 0.2506,
0.2395


 14.8363, 0.1693,
0.1392


 48.9323, 0.2085,
0.1854


 8.7046, 0.1500,
0.1179


 66.8126, 0.2174,
0.1966

 4.5490, 0.1263,
0.0928


 88.5909, 0.2251,
0.2062

 1.9852, 0.0972,
0.0643

 114.6518, 0.2317,
0.2146

 0.5988, 0.0632,
0.0328

145.3796, 0.2373,
0.2220

 0.0000, 0.0072,
0.0000

181.1587, 0.2423,

 0.0000, 0.0000,

0.2285

0.0000

222.3734, 0.2467,
0.2343

■ 23.3286, 0.1849,
0.1572

■ 23.3286, 0.1849,
0.1572

■ 18.7788, 0.1736,
0.1341

■ 28.9706, 0.1990,
0.1820

■ 15.2224, 0.1655,
0.1139

■ 35.7840, 0.2152,
0.2075

■ 14.2709, 0.1634,
0.1081

■ 43.8417, 0.2327,
0.2327

■ 53.2090, 0.2507,
0.2567

■ 63.9463, 0.2685,
0.2791

■ 76.1098, 0.2858,
0.2994

■ 89.7525, 0.3021,
0.3177

99.9976, 0.3127,
0.3290

Harmonies

Analogous

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



23.3286, 0.1331, 0.1631



23.3286, 0.1849, 0.1572



23.3286, 0.2804, 0.1809

Triad

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



23.3286, 0.1849, 0.1572



23.3286, 0.5548, 0.3745



23.3286, 0.1984, 0.4627

Complementary

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



23.3286, 0.1849, 0.1572



57.1085, 0.4638, 0.4430

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.



23.3286, 0.2999, 0.5660



23.3286, 0.1849, 0.1572



23.3286, 0.5045, 0.4591

Square

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



23.3286, 0.1849, 0.1572



23.3286, 0.5243, 0.2989



23.3286, 0.4097, 0.5422



23.3286, 0.1354, 0.3080

Rectangle

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



23.3286, 0.1849, 0.1572



23.3286, 0.3663, 0.2118



23.3286, 0.4097, 0.5422



23.3286, 0.2293, 0.5102

Sweetspot

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



23.3292, 0.1849, 0.1572



68.4719, 0.2752, 0.2871



75.9894, 0.2562, 0.4190



13.7482, 0.2689, 0.2795



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.



23.3292, 0.1849, 0.1572



16.8333, 0.1690, 0.1233



12.4454, 0.1796, 0.0944



18.4082, 0.2979, 0.3130



7.7095, 0.1642, 0.1110



0.9456, 0.1704, 0.1335

Inverse Universe

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



25.9176, 0.4899, 0.2723



22.7296, 0.5404, 0.2799



87.9129, 0.3912, 0.5075



18.0911, 0.3239, 0.3208



11.5062, 0.5595, 0.2856



1.1400, 0.5279, 0.2682

Previews

White Background



This preview shows how the Yxy color 23.3286, 0.1849, 0.1572 looks on a white background.

Color Contrast Check

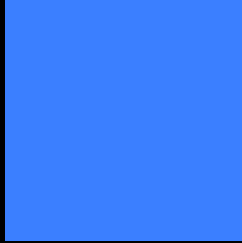
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3286, 0.1849, 0.1572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

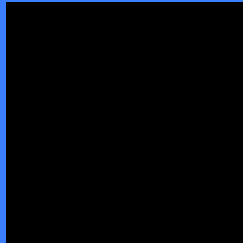
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

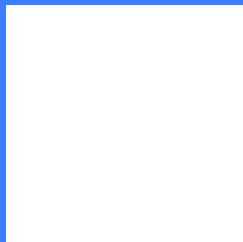
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.3286, 0.1849, 0.1572

Background



This preview shows how black text looks on a background with the Yxy color 23.3286, 0.1849, 0.1572.



This preview shows how white text looks on a background with the Yxy color 23.3286, 0.1849, 0.1572.

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

23.3286, 0.1849, 0.1572

Protanopia

23.2395, 0.1841, 0.1568

Tritanopia

22.9921, 0.2187, 0.3073

Trichromacy



Original Color

23.3286, 0.1849, 0.1572

Protanomaly

23.2686, 0.1843, 0.1570

Tritanomaly

22.4749, 0.2009, 0.2355

Monochromacy



Original Color

23.3286, 0.1849, 0.1572

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.6649, 0.2427, 0.2463

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3286, 0.1849, 0.1572 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, 127, 255)` looks like.

```
.text, #text, p{  
    color:rgb(59, 127, 255)  
}
```

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, 127, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 127, 255) }
```

Border

The CSS property to change the border of an element to Yxy 23.3286, 0.1849, 0.1572 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, 127, 255) }
```

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

```
.border{ border-color:rgb(59, 127, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 127, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 127, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 127, 255);  
box-shadow:4px 4px 4px 4px rgb(59, 127,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 23.3286, 0.1849, 0.1572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 127, 255) }
```

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

```
.background{ background-color: rgb(59, 127,  
255) }
```

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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