

Converting Colors

$Yxy(23.1867, 0.1962, 0.2185)$

Have a look what the booklet for
Yxy(23.1867, 0.1962, 0.2185)
contains.

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Color

Yxy(23.1524, 0.1959, 0.2176)

Conversions

Conversions Part 1

Format	Color
Hex	178BCF
RGB	23, 139, 207
RGB Percent	9%, 55%, 81%
CMY	0.9109, 0.4548, 0.1882
CMYK	0.89, 0.33, 0.00, 0.19
HSL	202°, 80%, 45%
HSV	202°, 89%, 81%
XYZ	20.8435, 23.1524, 62.4030
YIQ	112.0680, -90.9640, -3.4440

Conversions

Conversions Part 2

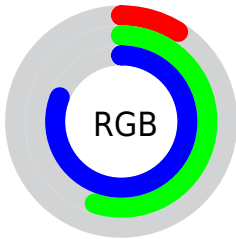
Format	Color
R_{YB}	23, 94, 207
Decimal	1543119
CIE _{Lab}	55.23, -5.50, -43.32
CIE _{LCh}	55, 43.668, 262.761
Yxy	23.1524, 0.1959, 0.2176
Android (android.graphics.Color)	4279733199 (0xFF178BCF)
YUV	112.0680, 46.8015, -78.1126
Hunter-Lab	48.1169, -6.8811, -43.2115

Details

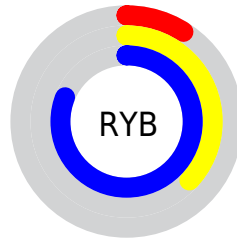
The Yxy color **23.1524, 0.1959, 0.2176** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **20.7599, 0.5522, 0.3873**, and the grayscale version is **16.0815, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.9225, 0.2222, 0.2493**, and **9.4118, 0.1860, 0.1894** is the 20% darker color. If you saturate the color by 10%, you get **20.8520, 0.1901, 0.2038**, and if you desaturate by 10%, it is **25.7869, 0.2036, 0.2318**.

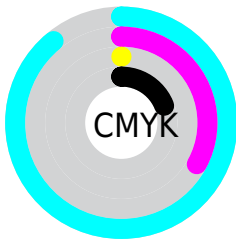
Distribution



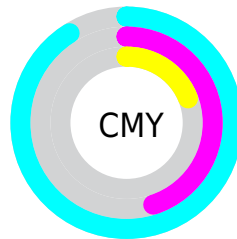
- Red (9%)
- Green (55%)
- Blue (81%)



- Red (9%)
- Yellow (37%)
- Blue (81%)



- Cyan (89%)
- Magenta (33%)
- Yellow (0%)
- Black (19%)



- Cyan (91%)
- Magenta (45%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.1524, 0.1959, 0.2176 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 23.1524, 0.1959, 0.2176 by changing the saturation by 10% instead.

■ 23.1524, 0.1959,
0.2176

■ 23.1524, 0.1959,
0.2176

268.5068, 0.2571,
0.2771

■ 14.7061, 0.1804,
0.2022

■ 48.6434, 0.2185,
0.2398

■ 8.6134, 0.1606,
0.1823

■ 66.4570, 0.2269,
0.2480

■ 4.4899, 0.1351,
0.1562

■ 88.1617, 0.2340,
0.2548

■ 1.9512, 0.1018,
0.1214

■ 114.1419, 0.2400,
0.2606

■ 0.5789, 0.0524,
0.0729

■ 144.7822, 0.2452,
0.2656

■ 0.0000, 0.0000,
0.0000

180.4668, 0.2497,

0.2699

221.5802, 0.2536,
0.2737

■ 23.1524, 0.1959,
0.2176

■ 23.1524, 0.1959,
0.2176

■ 20.8520, 0.1901,
0.2038

■ 25.7869, 0.2036,
0.2318

■ 20.6382, 0.1896,
0.2024

■ 28.8057, 0.2134,
0.2461

■ 32.2427, 0.2251,
0.2602

■ 36.1261, 0.2384,
0.2739

■ 40.4814, 0.2527,
0.2869

■ 45.3313, 0.2678,
0.2991

■ 50.6972, 0.2833,
0.3103

■ 56.5986, 0.2989,
0.3206

■ 63.0541, 0.3142,
0.3299

Harmonies

Analogous

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



23.1524, 0.1802, 0.2484



23.1524, 0.1959, 0.2176



23.1524, 0.2392, 0.2143

Triad

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



23.1524, 0.1959, 0.2176



23.1524, 0.4475, 0.3253



23.1524, 0.3028, 0.4568

Complementary

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



23.1524, 0.1959, 0.2176



20.7599, 0.5522, 0.3873

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.



23.1524, 0.3761, 0.4689



23.1524, 0.1959, 0.2176



23.1524, 0.4649, 0.3819

Square

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



23.1524, 0.1959, 0.2176



23.1524, 0.3865, 0.2737



23.1524, 0.4363, 0.4352



23.1524, 0.2361, 0.3920

Rectangle

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



23.1524, 0.1959, 0.2176



23.1524, 0.2825, 0.2254



23.1524, 0.4363, 0.4352



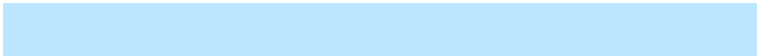
23.1524, 0.3275, 0.4673

Sweetspot

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



23.1531, 0.1959, 0.2176



74.0479, 0.2705, 0.3011



45.5490, 0.2808, 0.5217



15.2444, 0.2651, 0.2970



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.



23.1531, 0.1959, 0.2176



32.6810, 0.1891, 0.2008



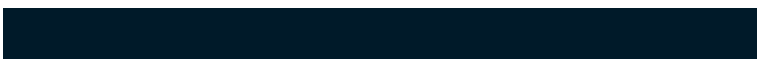
6.7408, 0.1599, 0.0853



12.6432, 0.2983, 0.3202



13.1889, 0.1901, 0.2043



0.8863, 0.1972, 0.2298

Inverse Universe

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



15.7322, 0.4247, 0.2177



23.8303, 0.4444, 0.2222



46.9598, 0.4390, 0.4828



11.9320, 0.3193, 0.3144



9.4027, 0.4404, 0.2200



0.5408, 0.4129, 0.2048

Previews

White Background



This preview shows how the Yxy color 23.1524, 0.1959, 0.2176 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 23.1524, 0.1959, 0.2176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

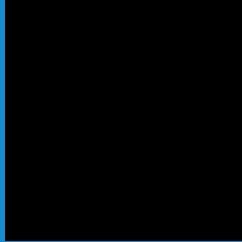
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

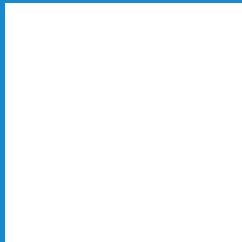
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.1524, 0.1959, 0.2176

Background



This preview shows how black text looks on a background with the Yxy color 23.1524, 0.1959, 0.2176.

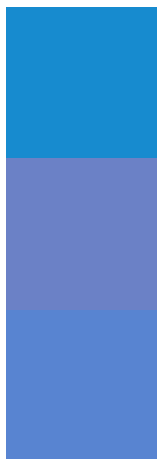


This preview shows how white text looks on a background with the Yxy color 23.1524, 0.1959, 0.2176.

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

23.1524, 0.1959, 0.2176

Protanopia

22.9035, 0.2327, 0.2211

Deuteranopia

23.1807, 0.2152, 0.2098



Tritanopia

22.9921, 0.2187, 0.3073

Trichromacy



Original Color

23.1524, 0.1959, 0.2176

Protanomaly

22.5286, 0.2129, 0.2190

Deuteranomaly

22.9720, 0.2051, 0.2126

Tritanomaly

22.7917, 0.2091, 0.2698

Monochromacy



Original Color

23.1524, 0.1959, 0.2176

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

17.7311, 0.2447, 0.2793

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1524, 0.1959, 0.2176 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(23, 139, 207)` looks like.

```
.text, #text, p{  
    color:rgb(23, 139, 207)  
}
```

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(23, 139, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 139, 207) }
```

Border

The CSS property to change the border of an element to Yxy 23.1524, 0.1959, 0.2176 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(23, 139, 207) }
```

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

```
.border{ border-color:rgb(23, 139, 207) }
```

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

Here you see how a box with a 4 pixel rgb(23, 139, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 139, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 139, 207);  
box-shadow:4px 4px 4px 4px rgb(23, 139,  
207) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 23.1524, 0.1959, 0.2176$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 139, 207) }
```

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

```
.background{ background-color: rgb(23, 139,  
207) }
```

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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