

Converting Colors

$Y_{xy}(23.1639, 0.2011, 0.2313)$

Have a look what the booklet for
Yxy(23.1639, 0.2011, 0.2313)
contains.

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Color

Yxy(23.1094, 0.2010, 0.2310)

Conversions

Conversions Part 1

Format	Color
Hex	1E8CC6
RGB	30, 140, 198
RGB Percent	12%, 55%, 78%
CMY	0.8819, 0.4510, 0.2236
CMYK	0.85, 0.29, 0.00, 0.22
HSL	201°, 74%, 45%
HSV	201°, 85%, 78%
XYZ	20.1082, 23.1094, 56.8231
YIQ	113.7220, -84.1780, -5.2820

Conversions

Conversions Part 2

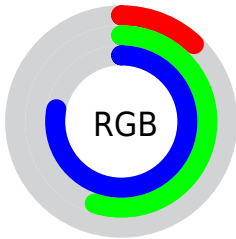
Format	Color
R _Y B	30, 96, 198
Decimal	2002118
CIE Lab	55.18, -8.90, -38.29
CIE LCh	55, 39.310, 256.913
Yxy	23.1094, 0.2010, 0.2310
Android (android.graphics.Color)	4280192198 (0xFF1E8CC6)
YUV	113.7220, 41.5491, -73.4242
Hunter-Lab	48.0722, -9.4615, -36.4323

Details

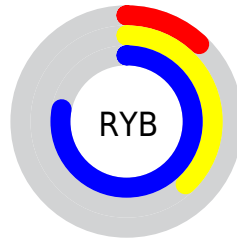
The Yxy color **23.1094, 0.2010, 0.2310** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **19.0981, 0.5446, 0.3849**, and the grayscale version is **16.6426, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.4241, 0.2229, 0.2507**, and **9.3259, 0.1900, 0.2039** is the 20% darker color. If you saturate the color by 10%, you get **20.9616, 0.1948, 0.2180**, and if you desaturate by 10%, it is **25.5700, 0.2093, 0.2443**.

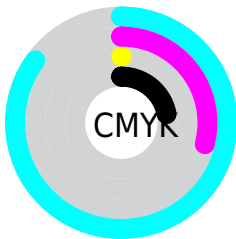
Distribution



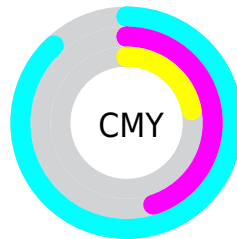
- Red (12%)
- Green (55%)
- Blue (78%)



- Red (12%)
- Yellow (38%)
- Blue (78%)



- Cyan (85%)
- Magenta (29%)
- Yellow (0%)
- Black (22%)



- Cyan (88%)
- Magenta (45%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.1094, 0.2010, 0.2310 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 23.1094, 0.2010, 0.2310 by changing the saturation by 10% instead.

■ 23.1094, 0.2010,
0.2310

■ 23.1094, 0.2010,
0.2310

268.2864, 0.2599,
0.2842

■ 14.6743, 0.1858,
0.2167

■ 48.5729, 0.2229,
0.2512

■ 8.5911, 0.1663,
0.1980

■ 66.3701, 0.2310,
0.2585

■ 4.4755, 0.1408,
0.1729

■ 88.0568, 0.2378,
0.2646

■ 1.9429, 0.1069,
0.1381

■ 114.0174, 0.2435,
0.2698

■ 0.5740, 0.0497,
0.0869

■ 144.6362, 0.2485,
0.2742

■ 0.0000, 0.0000,
0.0000

180.2977, 0.2528,

0.2780

221.3863, 0.2566,
0.2813

■ 23.1094, 0.2010,
0.2310

■ 23.1094, 0.2010,
0.2310

■ 20.9616, 0.1948,
0.2180

■ 25.5700, 0.2093,
0.2443

■ 19.9338, 0.1920,
0.2112

■ 28.3736, 0.2196,
0.2575

■ 31.5482, 0.2316,
0.2704

■ 35.1173, 0.2451,
0.2829

■ 39.1023, 0.2595,
0.2947

■ 43.5224, 0.2746,
0.3057

■ 48.3956, 0.2900,
0.3158

■ 53.7387, 0.3054,
0.3249

■ 59.5675, 0.3206,
0.3332

Harmonies

Analogous

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



23.1094, 0.1917, 0.2654



23.1094, 0.2010, 0.2310



23.1094, 0.2363, 0.2228

Triad

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



23.1094, 0.2010, 0.2310



23.1094, 0.4260, 0.3168



23.1094, 0.3179, 0.4490

Complementary

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



23.1094, 0.2010, 0.2310



19.0981, 0.5446, 0.3849

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.



23.1094, 0.3835, 0.4522



23.1094, 0.2010, 0.2310



23.1094, 0.4508, 0.3687

Square

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



23.1094, 0.2010, 0.2310



23.1094, 0.3660, 0.2706



23.1094, 0.4333, 0.4184



23.1094, 0.2543, 0.3991

Rectangle

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



23.1094, 0.2010, 0.2310



23.1094, 0.2732, 0.2301



23.1094, 0.4333, 0.4184



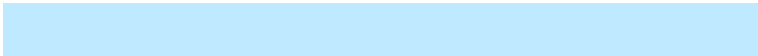
23.1094, 0.3404, 0.4554

Sweetspot

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



23.1102, 0.2010, 0.2310



76.5929, 0.2737, 0.3050



41.3367, 0.2824, 0.5208



15.7807, 0.2683, 0.3012



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.



23.1102, 0.2010, 0.2310



34.8218, 0.1915, 0.2094



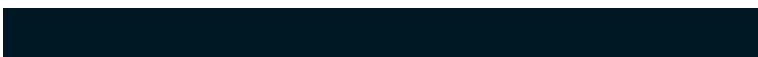
7.3909, 0.1659, 0.1001



11.4267, 0.2984, 0.3208



13.1289, 0.1925, 0.2130



0.7530, 0.2000, 0.2400

Inverse Universe

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



14.8330, 0.4099, 0.2134



24.0464, 0.4348, 0.2169



40.8547, 0.4413, 0.4757



10.7520, 0.3189, 0.3140



8.8654, 0.4309, 0.2147



0.4330, 0.4023, 0.1990

Previews

White Background



This preview shows how the Yxy color 23.1094, 0.2010, 0.2310 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 23.1094, 0.2010, 0.2310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

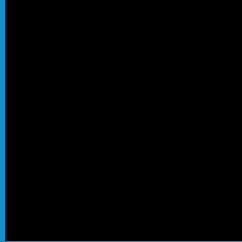
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.1094, 0.2010, 0.2310

Background



This preview shows how black text looks on a background with the Yxy color 23.1094, 0.2010, 0.2310.

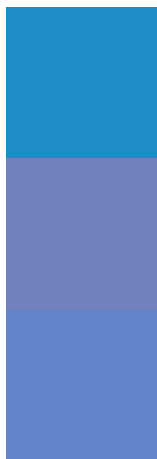


This preview shows how white text looks on a background with the Yxy color 23.1094, 0.2010, 0.2310.

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

23.1094, 0.2010, 0.2310

Protanopia

22.8194, 0.2424, 0.2332

Deuteranopia

22.9994, 0.2258, 0.2203



Tritanopia

22.9921, 0.2187, 0.3073

Trichromacy



Original Color

23.1094, 0.2010, 0.2310

Protanomaly

22.3747, 0.2208, 0.2311

Deuteranomaly

22.5902, 0.2128, 0.2227

Tritanomaly

22.9962, 0.2113, 0.2767

Monochromacy



Original Color

23.1094, 0.2010, 0.2310

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

18.0493, 0.2492, 0.2854

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1094, 0.2010, 0.2310 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(30, 140, 198)` looks like.

```
.text, #text, p{  
    color:rgb(30, 140, 198)  
}
```

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(30, 140, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 140, 198) }
```

Border

The CSS property to change the border of an element to Yxy 23.1094, 0.2010, 0.2310 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(30, 140, 198) }
```

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

```
.border{ border-color:rgb(30, 140, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 140, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 140, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 140, 198);  
box-shadow:4px 4px 4px 4px rgb(30, 140,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1094, 0.2010, 0.2310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 140, 198) }
```

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

```
.background{ background-color: rgb(30, 140,  
198) }
```

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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