

Converting Colors

$Y_{xy}(23.2936, 0.1977, 0.2180)$

Have a look what the booklet for
Yxy(23.2936, 0.1977, 0.2180)
contains.

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Color

Yxy(23.2936, 0.1977, 0.2180)

Conversions

Conversions Part 1

Format	Color
Hex	218BCF
RGB	33, 139, 207
RGB Percent	13%, 55%, 81%
CMY	0.8706, 0.4549, 0.1881
CMYK	0.84, 0.33, 0.00, 0.19
HSL	203°, 73%, 47%
HSV	203°, 84%, 81%
XYZ	21.1245, 23.2936, 62.4333
YIQ	115.0580, -85.0040, -1.3240

Conversions

Conversions Part 2

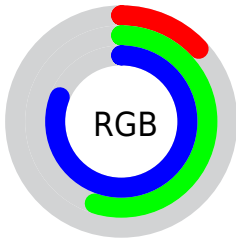
Format	Color
R_{YB}	33, 99, 207
Decimal	2198479
CIE _{Lab}	55.37, -4.78, -43.10
CIE _{LCh}	55, 43.362, 263.676
Yxy	23.2936, 0.1977, 0.2180
Android (android.graphics.Color)	4280388559 (0xFF218BCF)
YUV	115.0580, 45.3274, -71.9649
Hunter-Lab	48.2634, -6.3330, -42.9127

Details

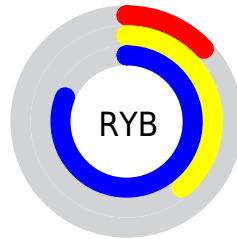
The Yxy color **23.2936, 0.1977, 0.2180** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark muted azure. A complement of this color would be **22.6909, 0.5328, 0.3942**, and the grayscale version is **17.0419, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1705, 0.2239, 0.2496**, and **9.4118, 0.1860, 0.1894** is the 20% darker color. If you saturate the color by 10%, you get **20.7939, 0.1908, 0.2032**, and if you desaturate by 10%, it is **26.1780, 0.2068, 0.2332**.

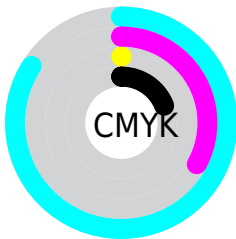
Distribution



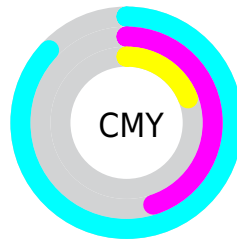
- Red (13%)
- Green (55%)
- Blue (81%)



- Red (13%)
- Yellow (39%)
- Blue (81%)



- Cyan (84%)
- Magenta (33%)
- Yellow (0%)
- Black (19%)



- Cyan (87%)
- Magenta (45%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.2936, 0.1977, 0.2180 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 23.2936, 0.1977, 0.2180 by changing the saturation by 10% instead.

■ 23.2936, 0.1977,
0.2180

■ 23.2936, 0.1977,
0.2180

■ 269.2294, 0.2580,
0.2771

■ 14.8104, 0.1824,
0.2027

■ 48.8750, 0.2200,
0.2401

■ 8.6865, 0.1628,
0.1829

■ 66.7420, 0.2283,
0.2482

■ 4.5372, 0.1375,
0.1570

■ 88.5057, 0.2352,
0.2550

■ 1.9784, 0.1045,
0.1224

■ 114.5506, 0.2412,
0.2608

■ 0.5949, 0.0561,
0.0744

■ 145.2610, 0.2463,
0.2658

■ 0.0000, 0.0000,
0.0000

181.0214, 0.2507,

0.2701

222.2160, 0.2546,
0.2738

■ 23.2936, 0.1977,
0.2180

■ 23.2936, 0.1977,
0.2180

■ 20.7939, 0.1908,
0.2032

■ 26.1780, 0.2068,
0.2332

■ 19.4546, 0.1874,
0.1945

■ 29.4819, 0.2179,
0.2483

■ 33.2373, 0.2307,
0.2631

■ 37.4713, 0.2448,
0.2774

■ 42.2087, 0.2599,
0.2908

■ 47.4719, 0.2754,
0.3033

■ 53.2818, 0.2910,
0.3147

■ 59.6580, 0.3065,
0.3251

■ 66.6191, 0.3216,
0.3344

Harmonies

Analogous

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



23.2936, 0.1813, 0.2478



23.2936, 0.1977, 0.2180



23.2936, 0.2416, 0.2155

Triad

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



23.2936, 0.1977, 0.2180



23.2936, 0.4475, 0.3271



23.2936, 0.3007, 0.4542

Complementary

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



23.2936, 0.1977, 0.2180



22.6909, 0.5328, 0.3942

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.



23.2936, 0.3736, 0.4681



23.2936, 0.1977, 0.2180



23.2936, 0.4634, 0.3833

Square

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



23.2936, 0.1977, 0.2180



23.2936, 0.3881, 0.2755



23.2936, 0.4339, 0.4359



23.2936, 0.2350, 0.3889

Rectangle

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



23.2936, 0.1977, 0.2180



23.2936, 0.2850, 0.2269



23.2936, 0.4339, 0.4359



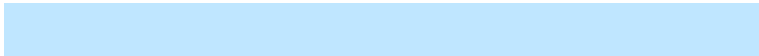
23.2936, 0.3252, 0.4652

Sweetspot

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



23.2944, 0.1977, 0.2180



74.9672, 0.2734, 0.3018



45.8780, 0.2785, 0.5063



15.3913, 0.2679, 0.2975



0.0000, 0.0000, 0.0000



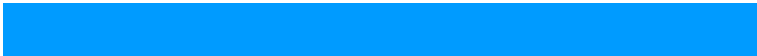
21.4041, 0.3127, 0.3290

Same Dimension

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



23.2944, 0.1977, 0.2180



30.7699, 0.1869, 0.1928



7.4027, 0.1640, 0.0921



12.5989, 0.2983, 0.3197



12.4421, 0.1879, 0.1965



0.8476, 0.1954, 0.2235

Inverse Universe

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



16.2209, 0.4234, 0.2219



23.6374, 0.4535, 0.2272



48.8039, 0.4326, 0.4828



11.9275, 0.3197, 0.3149



9.3273, 0.4492, 0.2248



0.5369, 0.4195, 0.2085

Previews

White Background



This preview shows how the Yxy color 23.2936, 0.1977, 0.2180 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 23.2936, 0.1977, 0.2180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

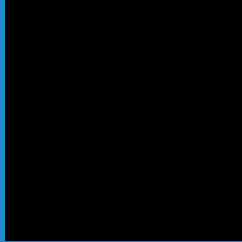
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

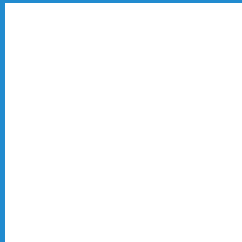
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.2936, 0.1977, 0.2180

Background



This preview shows how black text looks on a background with the Yxy color 23.2936, 0.1977, 0.2180.



This preview shows how white text looks on a background with the Yxy color 23.2936, 0.1977, 0.2180.

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

23.2936, 0.1977, 0.2180

Protanopia

23.0122, 0.2328, 0.2201

Deuteranopia

23.2298, 0.2158, 0.2099



Tritanopia

23.3018, 0.2192, 0.3093

Trichromacy



Original Color

23.2936, 0.1977, 0.2180

Protanomaly

22.7887, 0.2151, 0.2184

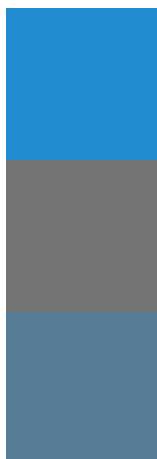
Deuteranomaly

23.1472, 0.2072, 0.2131

Tritanomaly

23.1198, 0.2100, 0.2718

Monochromacy



Original Color

23.2936, 0.1977, 0.2180

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

18.4847, 0.2488, 0.2822

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2936, 0.1977, 0.2180 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(33, 139, 207)` looks like.

```
.text, #text, p{  
    color:rgb(33, 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(33, 139, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 139, 207) }
```

Border

The CSS property to change the border of an element to Yxy 23.2936, 0.1977, 0.2180 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(33, 139, 207) }
```

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

```
.border{ border-color:rgb(33, 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(33, 139, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 139, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 139, 207);  
box-shadow:4px 4px 4px 4px rgb(33, 139,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2936, 0.1977, 0.2180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 139, 207) }
```

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

```
.background{ background-color: rgb(33, 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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