

Converting Colors

$Y_{xy}(23.0828, 0.1989, 0.1905)$

Have a look what the booklet for
Yxy(23.0828, 0.1989, 0.1905)
contains.

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Color

$Y_{xy}(23.1133, 0.1992, 0.1912)$

Conversions

Conversions Part 1

Format	Color
Hex	4484E0
RGB	68, 132, 224
RGB Percent	27%, 52%, 88%
CMY	0.7338, 0.4823, 0.1217
CMYK	0.70, 0.41, 0.00, 0.12
HSL	215°, 72%, 57%
HSV	215°, 70%, 88%
XYZ	24.0804, 23.1133, 73.6918
YIQ	123.3520, -67.6760, 15.0440

Conversions

Conversions Part 2

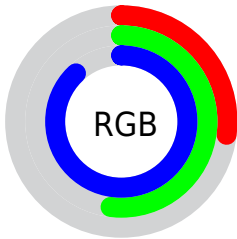
Format	Color
R _Y B	68, 113, 224
Decimal	4490464
CIE Lab	55.19, 9.53, -52.86
CIE LCh	55, 53.710, 280.224
Yxy	23.1133, 0.1992, 0.1912
Android (android.graphics.Color)	4282680544 (0xFF4484E0)
YUV	123.3520, 49.6195, -48.5437
Hunter-Lab	48.0763, 5.2733, -57.2268

Details

The Yxy color **23.1133, 0.1992, 0.1912** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle muted azure. A complement of this color would be **41.3450, 0.4580, 0.4273**, and the grayscale version is **19.7716, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.8235, 0.2327, 0.2426**, and **9.0137, 0.1769, 0.1570** is the 20% darker color. If you saturate the color by 10%, you get **19.1023, 0.1865, 0.1686**, and if you desaturate by 10%, it is **27.8857, 0.2140, 0.2143**.

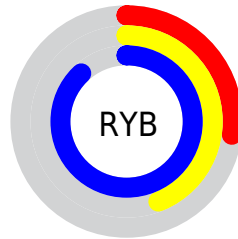
Distribution



Red (27%)

Green (52%)

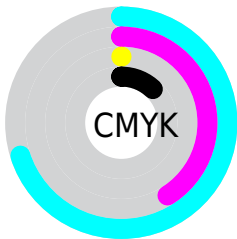
Blue (88%)



Red (27%)

Yellow (44%)

Blue (88%)

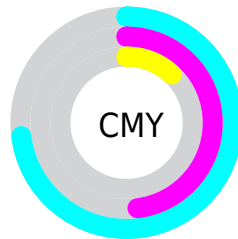


Cyan (70%)

Magenta (41%)

Yellow (0%)

Black (12%)



Cyan (73%)

Magenta (48%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.1133, 0.1992, 0.1912 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 23.1133, 0.1992, 0.1912 by changing the saturation by 10% instead.

■ 23.1133, 0.1992,
0.1912

■ 23.1133, 0.1992,
0.1912

268.3064, 0.2588,
0.2614

■ 14.6772, 0.1842,
0.1742

■ 48.5793, 0.2211,
0.2165

■ 8.5931, 0.1653,
0.1531

■ 66.3780, 0.2293,
0.2261

■ 4.4768, 0.1409,
0.1267

■ 88.0663, 0.2362,
0.2342

■ 1.9437, 0.1095,
0.0938

■ 114.0287, 0.2421,
0.2412

■ 0.5744, 0.0703,
0.0519

144.6495, 0.2471,
0.2473

■ 0.0000, 0.0000,
0.0000

180.3131, 0.2515,

0.2526

221.4039, 0.2554,
0.2572

■ 23.1133, 0.1992,
0.1912

■ 23.1133, 0.1992,
0.1912

■ 19.1023, 0.1865,
0.1686

■ 27.8857, 0.2140,
0.2143

■ 15.7963, 0.1764,
0.1473

■ 33.4646, 0.2302,
0.2370

■ 13.1154, 0.1689,
0.1279

■ 39.8934, 0.2473,
0.2587

■ 13.0391, 0.1687,
0.1273

■ 47.2113, 0.2645,
0.2790

■ 55.4548, 0.2814,
0.2976

■ 64.6579, 0.2977,
0.3144

■ 74.8530, 0.3132,
0.3294

■ 86.0708, 0.3277,
0.3427

■ 95.4927, 0.3315,
0.3552

Harmonies

Analogous

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



23.1133, 0.1630, 0.2060



23.1133, 0.1992, 0.1912



23.1133, 0.2677, 0.2042

Triad

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



23.1133, 0.1992, 0.1912



23.1133, 0.4969, 0.3588



23.1133, 0.2487, 0.4490

Complementary

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



23.1133, 0.1992, 0.1912



41.3450, 0.4580, 0.4273

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.



23.1133, 0.3342, 0.5039



23.1133, 0.1992, 0.1912



23.1133, 0.4804, 0.4253

Square

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



23.1133, 0.1992, 0.1912



23.1133, 0.4523, 0.2954



23.1133, 0.4186, 0.4841



23.1133, 0.1858, 0.3446

Rectangle

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



23.1133, 0.1992, 0.1912



23.1133, 0.3289, 0.2264



23.1133, 0.4186, 0.4841



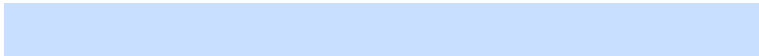
23.1133, 0.2758, 0.4758

Sweetspot

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



23.1140, 0.1992, 0.1912



72.7177, 0.2790, 0.2950



57.0217, 0.2628, 0.4248



14.8899, 0.2743, 0.2899



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.



23.1140, 0.1992, 0.1912



23.3382, 0.1812, 0.1579



11.2464, 0.1856, 0.1105



14.1636, 0.2981, 0.3148



7.8056, 0.1695, 0.1301



0.7142, 0.1780, 0.1606

Inverse Universe

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



21.6304, 0.4471, 0.2617



24.4121, 0.4924, 0.2614



67.5552, 0.3961, 0.4905



13.7935, 0.3228, 0.3194



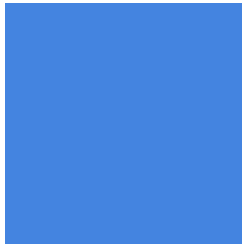
9.6960, 0.5325, 0.2707



0.6896, 0.4923, 0.2486

Previews

White Background



This preview shows how the Yxy color 23.1133, 0.1992, 0.1912 looks on a white background.

Color Contrast Check

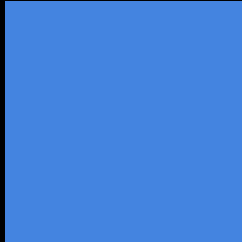
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1133, 0.1992, 0.1912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

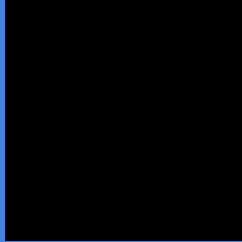
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

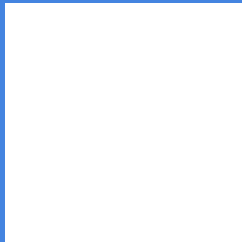
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.1133, 0.1992, 0.1912

Background



This preview shows how black text looks on a background with the Yxy color 23.1133, 0.1992, 0.1912.



This preview shows how white text looks on a background with the Yxy color 23.1133, 0.1992, 0.1912.

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

23.1133, 0.1992, 0.1912

Protanopia

22.9328, 0.2115, 0.1929

Deuteranopia

23.2469, 0.1981, 0.1922



Tritanopia

23.0264, 0.2182, 0.3054

Trichromacy



Original Color

23.1133, 0.1992, 0.1912

Protanomaly

22.8058, 0.2066, 0.1918

Deuteranomaly

23.2807, 0.1984, 0.1923

Tritanomaly

22.6338, 0.2072, 0.2553

Monochromacy



Original Color

23.1133, 0.1992, 0.1912

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.3433, 0.2556, 0.2680

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1133, 0.1992, 0.1912 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(68, 132, 224)` looks like.

```
.text, #text, p{  
    color:rgb(68, 132, 224)  
}
```

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(68, 132, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 132, 224) }
```

Border

The CSS property to change the border of an element to Yxy 23.1133, 0.1992, 0.1912 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(68, 132, 224) }
```

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

```
.border{ border-color:rgb(68, 132, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 132, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 132, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 132, 224);  
box-shadow:4px 4px 4px 4px rgb(68, 132,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1133, 0.1992, 0.1912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 132, 224) }
```

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

```
.background{ background-color: rgb(68, 132,  
224) }
```

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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