

Converting Colors

$Yxy(23.1432, 0.1935, 0.1744)$

Have a look what the booklet for
Yxy(23.1432, 0.1935, 0.1744)
contains.

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Color

Yxy(23.1025, 0.1933, 0.1740)

Conversions

Conversions Part 1

Format	Color
Hex	4481EE
RGB	68, 129, 238
RGB Percent	27%, 51%, 93%
CMY	0.7335, 0.4941, 0.0666
CMYK	0.71, 0.46, 0.00, 0.07
HSL	218°, 83%, 60%
HSV	218°, 71%, 93%
XYZ	25.6650, 23.1025, 84.0055
YIQ	123.1870, -71.3450, 20.9670

Conversions

Conversions Part 2

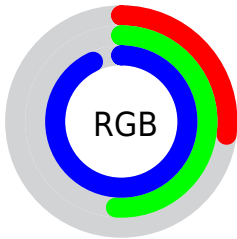
Format	Color
R _{YB}	68, 113, 238
Decimal	4489710
CIE Lab	55.18, 16.37, -60.71
CIE LCh	55, 62.883, 285.093
Yxy	23.1025, 0.1933, 0.1740
Android (android.graphics.Color)	4282679790 (0xFF4481EE)
YUV	123.1870, 56.6028, -48.3990
Hunter-Lab	48.0651, 11.1987, -69.9783

Details

The Yxy color **23.1025, 0.1933, 0.1740** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle muted azure. A complement of this color would be **50.0228, 0.4547, 0.4372**, and the grayscale version is **19.6960, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4186, 0.2333, 0.2378**, and **9.2211, 0.1725, 0.1410** is the 20% darker color. If you saturate the color by 10%, you get **18.6910, 0.1805, 0.1501**, and if you desaturate by 10%, it is **28.4624, 0.2085, 0.1989**.

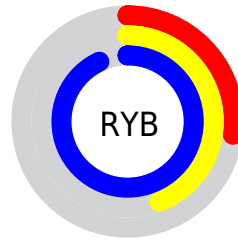
Distribution



Red (27%)

Green (51%)

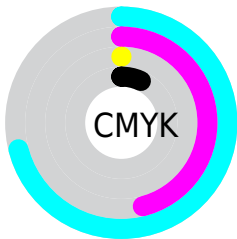
Blue (93%)



Red (27%)

Yellow (44%)

Blue (93%)

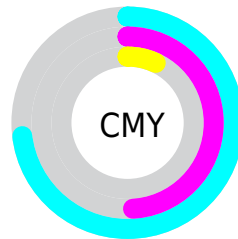


Cyan (71%)

Magenta (46%)

Yellow (0%)

Black (7%)



Cyan (73%)

Magenta (49%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.1025, 0.1933, 0.1740 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 23.1025, 0.1933, 0.1740 by changing the saturation by 10% instead.

■ 23.1025, 0.1933,
0.1740

■ 23.1025, 0.1933,
0.1740

268.2510, 0.2555,
0.2507

■ 14.6692, 0.1780,
0.1563

■ 48.5616, 0.2160,
0.2010

■ 8.5876, 0.1589,
0.1348

■ 66.3562, 0.2245,
0.2115

■ 4.4732, 0.1348,
0.1088

■ 88.0400, 0.2317,
0.2204

■ 1.9416, 0.1044,
0.0778

■ 113.9974, 0.2379,
0.2281

■ 0.5732, 0.0676,
0.0409

144.6128, 0.2432,
0.2349

■ 0.0000, 0.0000,
0.0000

180.2706, 0.2478,

0.2408

221.3552, 0.2519,
0.2460

■ 23.1025, 0.1933,
0.1740

■ 23.1025, 0.1933,
0.1740

■ 18.6910, 0.1805,
0.1501

■ 28.4624, 0.2085,
0.1989

■ 15.1544, 0.1706,
0.1284

■ 34.8312, 0.2253,
0.2237

■ 12.7425, 0.1644,
0.1119

■ 42.2655, 0.2429,
0.2478

■ 50.8168, 0.2607,
0.2704

■ 60.5328, 0.2781,
0.2912

■ 71.4584, 0.2948,
0.3100

■ 83.6358, 0.3105,
0.3267

■ 96.4623, 0.3229,
0.3416

■ 98.9539, 0.3226,
0.3454

Harmonies

Analogous

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



23.1025, 0.1483, 0.1836



23.1025, 0.1933, 0.1740



23.1025, 0.2757, 0.1932

Triad

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



23.1025, 0.1933, 0.1740



23.1025, 0.5266, 0.3694



23.1025, 0.2225, 0.4540

Complementary

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



23.1025, 0.1933, 0.1740



50.0228, 0.4547, 0.4372

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.



23.1025, 0.3163, 0.5328



23.1025, 0.1933, 0.1740



23.1025, 0.4931, 0.4446

Square

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



23.1025, 0.1933, 0.1740



23.1025, 0.4888, 0.2992



23.1025, 0.4142, 0.5137



23.1025, 0.1595, 0.3251

Rectangle

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



23.1025, 0.1933, 0.1740



23.1025, 0.3490, 0.2202



23.1025, 0.4142, 0.5137



23.1025, 0.2516, 0.4907

Sweetspot

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



23.1032, 0.1933, 0.1740



71.2419, 0.2788, 0.2919



65.5051, 0.2585, 0.4155



14.5417, 0.2740, 0.2864



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.



23.1032, 0.1933, 0.1740



19.7227, 0.1753, 0.1392



12.5069, 0.1870, 0.1074



16.1576, 0.2980, 0.3134



7.3308, 0.1652, 0.1148



0.7918, 0.1725, 0.1410

Inverse Universe

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



23.8926, 0.4671, 0.2703



23.7285, 0.5169, 0.2730



76.0721, 0.3910, 0.4978



15.8526, 0.3237, 0.3206



10.5334, 0.5541, 0.2826



0.8946, 0.5178, 0.2626

Previews

White Background



This preview shows how the Yxy color 23.1025, 0.1933, 0.1740 looks on a white background.

Color Contrast Check

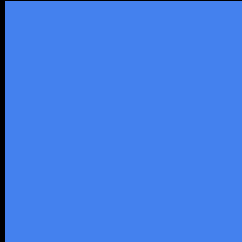
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1025, 0.1933, 0.1740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

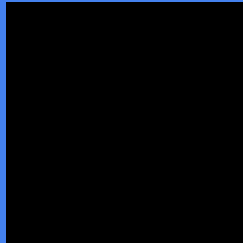
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

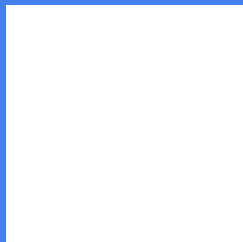
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.1025, 0.1933, 0.1740

Background



This preview shows how black text looks on a background with the Yxy color 23.1025, 0.1933, 0.1740.



This preview shows how white text looks on a background with the Yxy color 23.1025, 0.1933, 0.1740.

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

23.1025, 0.1933, 0.1740

Protanopia

23.1725, 0.1973, 0.1748

Deuteranopia

23.2291, 0.1834, 0.1780



Tritanopia

22.9921, 0.2187, 0.3073

Trichromacy



Original Color

23.1025, 0.1933, 0.1740

Protanomaly

23.0086, 0.1956, 0.1743

Deuteranomaly

22.9083, 0.1850, 0.1758

Tritanomaly

22.5080, 0.2049, 0.2474

Monochromacy



Original Color

23.1025, 0.1933, 0.1740

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.2674, 0.2513, 0.2583

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1025, 0.1933, 0.1740 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, 129, 238)` looks like.

```
.text, #text, p{  
    color:rgb(68, 129, 238)  
}
```

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, 129, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 129, 238) }
```

Border

The CSS property to change the border of an element to Yxy 23.1025, 0.1933, 0.1740 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, 129, 238) }
```

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

```
.border{ border-color:rgb(68, 129, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 129, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 129, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 129, 238);  
box-shadow:4px 4px 4px 4px rgb(68, 129,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1025, 0.1933, 0.1740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 129, 238) }
```

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

```
.background{ background-color: rgb(68, 129,  
238) }
```

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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