

Converting Colors

$Y_{xy}(23.7219, 0.2037, 0.1751)$

Have a look what the booklet for
Yxy(23.7219, 0.2037, 0.1751)
contains.

Yxy(23.6789, 0.2036, 0.1751)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.6789, 0.2036, 0.1751)

Conversions

Conversions Part 1

Format	Color
Hex	5D7FEE
RGB	93, 127, 238
RGB Percent	36%, 50%, 93%
CMY	0.6355, 0.5019, 0.0666
CMYK	0.61, 0.47, 0.00, 0.07
HSL	226°, 81%, 65%
HSV	226°, 61%, 93%
XYZ	27.5330, 23.6789, 84.0188
YIQ	129.4880, -55.8950, 27.3130

Conversions

Conversions Part 2

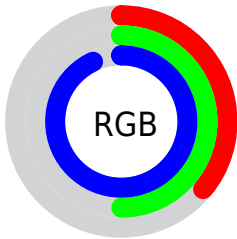
Format	Color
R _Y B	93, 121, 238
Decimal	6127598
CIE Lab	55.76, 21.50, -59.71
CIE LCh	56, 63.464, 289.803
Yxy	23.6789, 0.2036, 0.1751
Android (android.graphics.Color)	4284317678 (0xFF5D7FEE)
YUV	129.4880, 53.4964, -32.0000
Hunter-Lab	48.6610, 15.8408, -68.3084

Details

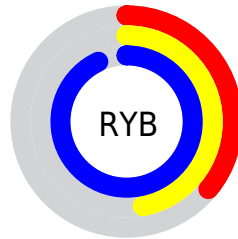
The Yxy color **23.6789, 0.2036, 0.1751** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **62.1297, 0.4196, 0.4432**, and the grayscale version is **21.9530, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.3302, 0.2437, 0.2377**, and **8.9282, 0.1715, 0.1375** is the 20% darker color. If you saturate the color by 10%, you get **18.3387, 0.1869, 0.1468**, and if you desaturate by 10%, it is **30.2572, 0.2220, 0.2042**.

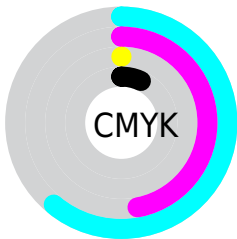
Distribution



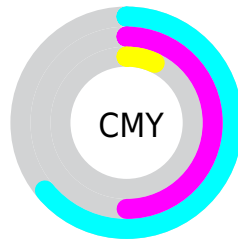
- Red (36%)
- Green (50%)
- Blue (93%)



- Red (36%)
- Yellow (47%)
- Blue (93%)



- Cyan (61%)
- Magenta (47%)
- Yellow (0%)
- Black (7%)



- Cyan (64%)
- Magenta (50%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.6789, 0.2036, 0.1751 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 23.6789, 0.2036, 0.1751 by changing the saturation by 10% instead.

■ 23.6789, 0.2036,
0.1751

■ 23.6789, 0.2036,
0.1751

■ 271.1931, 0.2610,
0.2506

■ 15.0956, 0.1893,
0.1577

■ 49.5057, 0.2246,
0.2016

■ 8.8865, 0.1712,
0.1367

■ 67.5180, 0.2325,
0.2119

■ 4.6672, 0.1482,
0.1111

■ 89.4421, 0.2392,
0.2207

■ 2.0534, 0.1186,
0.0805

■ 115.6623, 0.2448,
0.2283

■ 0.6382, 0.0814,
0.0446

■ 146.5632, 0.2497,
0.2350

■ 0.0000, 0.0112,
0.0000

■ 182.5290, 0.2539,

■ 0.0000, 0.0000,

0.2408

0.0000

223.9441, 0.2577,
0.2460

■ 23.6789, 0.2036,
0.1751

■ 23.6789, 0.2036,
0.1751

■ 18.3387, 0.1869,
0.1468

■ 30.2572, 0.2220,
0.2042

■ 14.1512, 0.1730,
0.1210

■ 38.1461, 0.2412,
0.2328


■ 11.0226, 0.1628,
0.0991


■ 47.4150, 0.2602,
0.2599


■ 8.9919, 0.1566,
0.0836

■ 58.1277, 0.2785,
0.2848

■ 70.3435, 0.2956,
0.3073

 84.1187, 0.3113,
0.3272

 98.6326, 0.3227,
0.3449

 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.



23.6789, 0.1530, 0.1798



23.6789, 0.2036, 0.1751



23.6789, 0.2919, 0.1985

Triad

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



23.6789, 0.2036, 0.1751



23.6789, 0.5258, 0.3809



23.6789, 0.2099, 0.4345

Complementary

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



23.6789, 0.2036, 0.1751



62.1297, 0.4196, 0.4432

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.



23.6789, 0.3006, 0.5274



23.6789, 0.2036, 0.1751



23.6789, 0.4830, 0.4566

Square

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



23.6789, 0.2036, 0.1751



23.6789, 0.5000, 0.3098



23.6789, 0.3995, 0.5218



23.6789, 0.1532, 0.3067

Rectangle

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



23.6789, 0.2036, 0.1751



23.6789, 0.3674, 0.2279



23.6789, 0.3995, 0.5218



23.6789, 0.2375, 0.4746

Sweetspot

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



23.6796, 0.2036, 0.1751



71.9127, 0.2835, 0.2916



67.7340, 0.2542, 0.3766



14.5391, 0.2784, 0.2847



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.



23.6796, 0.2036, 0.1751



20.1929, 0.1834, 0.1406



18.6764, 0.2185, 0.1435



15.8312, 0.2980, 0.3104



5.1801, 0.1572, 0.0859



0.5788, 0.1639, 0.1100

Inverse Universe

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



27.5311, 0.4591, 0.2939



26.6803, 0.5078, 0.2926



74.4681, 0.3714, 0.4866



15.8197, 0.3256, 0.3235



10.3163, 0.5975, 0.3065



0.8731, 0.5610, 0.2864

Previews

White Background



This preview shows how the Yxy color 23.6789, 0.2036, 0.1751 looks on a white background.

Color Contrast Check

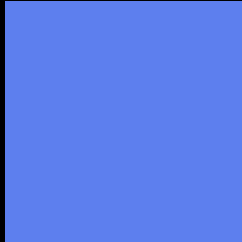
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6789, 0.2036, 0.1751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

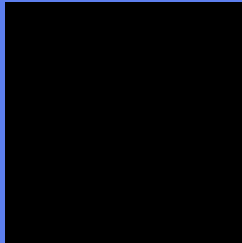
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.6789, 0.2036, 0.1751

Background



This preview shows how black text looks on a background with the Yxy color 23.6789, 0.2036, 0.1751.



This preview shows how white text looks on a background with the Yxy color 23.6789, 0.2036, 0.1751.

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

23.6789, 0.2036, 0.1751

Protanopia

23.6540, 0.1970, 0.1739

Deuteranopia

23.7961, 0.1877, 0.1816



Tritanopia

23.7764, 0.2317, 0.3080

Trichromacy



Original Color

23.6789, 0.2036, 0.1751

Protanomaly

23.5552, 0.1992, 0.1741

Deuteranomaly

23.5165, 0.1913, 0.1780

Tritanomaly

23.2394, 0.2188, 0.2483

Monochromacy



Original Color

23.6789, 0.2036, 0.1751

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.0159, 0.2607, 0.2599

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6789, 0.2036, 0.1751 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(93, 127, 238)` looks like.

```
.text, #text, p{  
  color:rgb(93, 127, 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(93, 127, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 127, 238) }
```

Border

The CSS property to change the border of an element to Yxy 23.6789, 0.2036, 0.1751 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(93, 127, 238) }
```

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

```
.border{ border-color:rgb(93, 127, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 127, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 127, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 127, 238);  
box-shadow:4px 4px 4px 4px rgb(93, 127,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6789, 0.2036, 0.1751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 127, 238) }
```

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

```
.background{ background-color: rgb(93, 127,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor