

Converting Colors

$Yxy(23.2074, 0.1964, 0.1766)$

Have a look what the booklet for
Yxy(23.2074, 0.1964, 0.1766)
contains.

Yxy(23.2125, 0.1963, 0.1765)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(23.2125, 0.1963, 0.1765)

Conversions

Conversions Part 1

Format	Color
Hex	4A81EC
RGB	74, 129, 236
RGB Percent	29%, 51%, 93%
CMY	0.7097, 0.4941, 0.0745
CMYK	0.69, 0.45, 0.00, 0.07
HSL	220°, 81%, 61%
HSV	220°, 69%, 93%
XYZ	25.8165, 23.2125, 82.4866
YIQ	124.7530, -67.1270, 21.6170

Conversions

Conversions Part 2

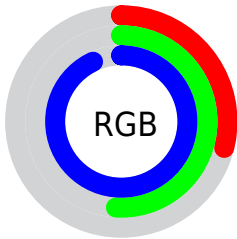
Format	Color
R_{YB}	74, 115, 236
Decimal	4882924
CIE _{Lab}	55.29, 16.52, -59.41
CIE _{LCh}	55, 61.662, 285.543
Yxy	23.2125, 0.1963, 0.1765
Android (android.graphics.Color)	4283073004 (0xFF4A81EC)
YUV	124.7530, 54.8448, -44.5104
Hunter-Lab	48.1794, 11.3339, -67.7833

Details

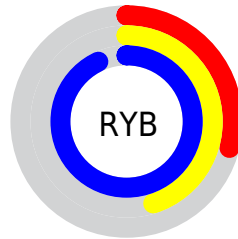
The Yxy color **23.2125, 0.1963, 0.1765** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle muted azure. A complement of this color would be **51.3911, 0.4460, 0.4378**, and the grayscale version is **20.2521, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.7567, 0.2355, 0.2383**, and **9.1395, 0.1730, 0.1427** is the 20% darker color. If you saturate the color by 10%, you get **18.6467, 0.1826, 0.1518**, and if you desaturate by 10%, it is **28.7576, 0.2123, 0.2021**.

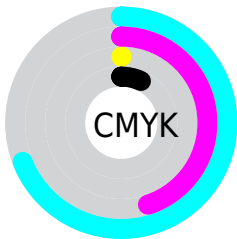
Distribution



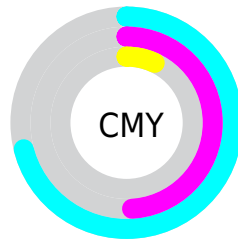
- Red (29%)
- Green (51%)
- Blue (93%)



- Red (29%)
- Yellow (45%)
- Blue (93%)



- Cyan (69%)
- Magenta (45%)
- Yellow (0%)
- Black (7%)



- Cyan (71%)
- Magenta (49%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.2125, 0.1963, 0.1765 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 23.2125, 0.1963, 0.1765 by changing the saturation by 10% instead.

■ 23.2125, 0.1963,
0.1765

■ 23.2125, 0.1963,
0.1765

268.8146, 0.2571,
0.2521

■ 14.7505, 0.1812,
0.1590

■ 48.7420, 0.2185,
0.2032

■ 8.6445, 0.1624,
0.1376

■ 66.5783, 0.2269,
0.2135

■ 4.5100, 0.1384,
0.1116

■ 88.3082, 0.2339,
0.2223

■ 1.9628, 0.1080,
0.0804

■ 114.3160, 0.2399,
0.2299

■ 0.5857, 0.0708,
0.0430

144.9861, 0.2451,
0.2366

■ 0.0000, 0.0000,
0.0000

180.7030, 0.2497,

0.2424

221.8510, 0.2536,
0.2475

■ 23.2125, 0.1963,
0.1765

■ 23.2125, 0.1963,
0.1765

■ 18.6467, 0.1826,
0.1518

■ 28.7576, 0.2123,
0.2021

■ 14.9881, 0.1717,
0.1291

■ 35.3417, 0.2296,
0.2276

■ 12.1460, 0.1639,
0.1093

■ 43.0213, 0.2476,
0.2520

■ 11.8091, 0.1630,
0.1068

■ 51.8479, 0.2655,
0.2748

■ 61.8695, 0.2829,
0.2957

■ 73.1311, 0.2993,
0.3145

■ 85.6753, 0.3147,
0.3312

■ 98.0275, 0.3239,
0.3461

■ 98.8369, 0.3238,
0.3473

Harmonies

Analogous

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



23.2125, 0.1513, 0.1857



23.2125, 0.1963, 0.1765



23.2125, 0.2781, 0.1958

Triad

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



23.2125, 0.1963, 0.1765



23.2125, 0.5226, 0.3706



23.2125, 0.2233, 0.4493

Complementary

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



23.2125, 0.1963, 0.1765



51.3911, 0.4460, 0.4378

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.



23.2125, 0.3155, 0.5277



23.2125, 0.1963, 0.1765



23.2125, 0.4894, 0.4447

Square

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



23.2125, 0.1963, 0.1765



23.2125, 0.4863, 0.3011



23.2125, 0.4118, 0.5114



23.2125, 0.1615, 0.3238

Rectangle

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



23.2125, 0.1963, 0.1765



23.2125, 0.3502, 0.2227



23.2125, 0.4118, 0.5114



23.2125, 0.2519, 0.4853

Sweetspot

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



23.2132, 0.1963, 0.1765



70.6895, 0.2787, 0.2908



64.7227, 0.2580, 0.4074



14.4115, 0.2739, 0.2850



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.



23.2132, 0.1963, 0.1765



20.4901, 0.1782, 0.1431



13.5710, 0.1937, 0.1160



15.3845, 0.2980, 0.3130



6.7237, 0.1638, 0.1097



0.7004, 0.1715, 0.1374

Inverse Universe

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



24.3199, 0.4627, 0.2744



24.4874, 0.5102, 0.2751



74.4480, 0.3873, 0.4946



15.1384, 0.3240, 0.3210



10.1716, 0.5614, 0.2866



0.8161, 0.5226, 0.2653

Previews

White Background



This preview shows how the Yxy color 23.2125, 0.1963, 0.1765 looks on a white background.

Color Contrast Check

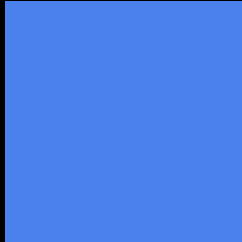
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2125, 0.1963, 0.1765 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

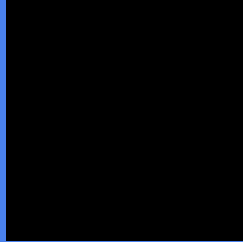
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

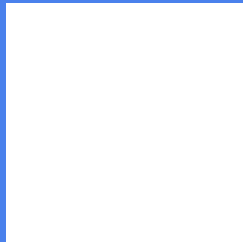
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.2125, 0.1963, 0.1765

Background



This preview shows how black text looks on a background with the Yxy color 23.2125, 0.1963, 0.1765.



This preview shows how white text looks on a background with the Yxy color 23.2125, 0.1963, 0.1765.

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

23.2125, 0.1963, 0.1765

Protanopia

23.1858, 0.1993, 0.1770

Deuteranopia

23.3554, 0.1865, 0.1806



Tritanopia

23.0264, 0.2182, 0.3054

Trichromacy



Original Color

23.2125, 0.1963, 0.1765

Protanomaly

23.0562, 0.1980, 0.1765

Deuteranomaly

23.1050, 0.1889, 0.1787

Tritanomaly

22.5343, 0.2053, 0.2475

Monochromacy



Original Color

23.2125, 0.1963, 0.1765

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.7025, 0.2543, 0.2606

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2125, 0.1963, 0.1765 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(74, 129, 236)` looks like.

```
.text, #text, p{  
    color:rgb(74, 129, 236)  
}
```

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(74, 129, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 129, 236) }
```

Border

The CSS property to change the border of an element to Yxy 23.2125, 0.1963, 0.1765 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(74, 129, 236) }
```

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

```
.border{ border-color:rgb(74, 129, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 129, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 129, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 129, 236);  
box-shadow:4px 4px 4px 4px rgb(74, 129,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2125, 0.1963, 0.1765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 129, 236) }
```

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

```
.background{ background-color: rgb(74, 129,  
236) }
```

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