

Converting Colors

$Y_{xy}(23.8381, 0.2030, 0.1619)$

Have a look what the booklet for
Yxy(23.8381, 0.2030, 0.1619)
contains.

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Color

Yxy(23.9516, 0.2031, 0.1625)

Conversions

Conversions Part 1

Format	Color
Hex	677BFA
RGB	103, 123, 250
RGB Percent	40%, 48%, 98%
CMY	0.5960, 0.5177, 0.0195
CMYK	0.59, 0.51, 0.00, 0.02
HSL	232°, 94%, 69%
HSV	232°, 59%, 98%
XYZ	29.9358, 23.9516, 93.5070
YIQ	131.4980, -52.6870, 35.2570

Conversions

Conversions Part 2

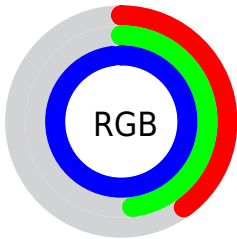
Format	Color
RYB	103, 121, 250
Decimal	6781946
CIELab	56.04, 29.68, -65.90
CIElCh	56, 72.272, 294.243
Yxy	23.9516, 0.2031, 0.1625
Android (android.graphics.Color)	4284972026 (0xFF677BFA)
YUV	131.4980, 58.4215, -24.9927
Hunter-Lab	48.9404, 23.5391, -79.0231

Details

The Yxy color **23.9516, 0.2031, 0.1625** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **77.9309, 0.4074, 0.4523**, and the grayscale version is **22.6868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.7725, 0.2493, 0.2343**, and **9.0766, 0.1712, 0.1241** is the 20% darker color. If you saturate the color by 10%, you get **17.9067, 0.1851, 0.1321**, and if you desaturate by 10%, it is **31.6226, 0.2229, 0.1946**.

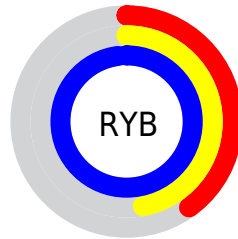
Distribution



Red (40%)

Green (48%)

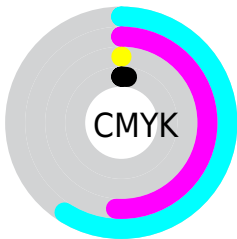
Blue (98%)



Red (40%)

Yellow (47%)

Blue (98%)

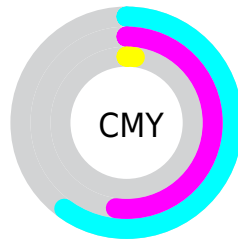


Cyan (59%)

Magenta (51%)

Yellow (0%)

Black (2%)



Cyan (60%)


Magenta (52%)


Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.9516, 0.2031, 0.1625 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 23.9516, 0.2031, 0.1625 by changing the saturation by 10% instead.


 23.9516, 0.2031,
0.1625


 23.9516, 0.2031,
0.1625


272.5757, 0.2606,
0.2420


 15.2977, 0.1889,
0.1449


 49.9512, 0.2241,
0.1899

 9.0286, 0.1712,
0.1241


 68.0657, 0.2320,
0.2006

 4.7598, 0.1487,
0.0993


 90.1026, 0.2386,
0.2099

 2.1071, 0.1201,
0.0705

116.4462, 0.2443,
0.2180

 0.6686, 0.0846,
0.0384

147.4809, 0.2492,
0.2251

 0.0000, 0.0336,
0.0000

183.5911, 0.2535,

 0.0000, 0.0000,

0.2314

0.0000

225.1612, 0.2573,
0.2370

■ 23.9516, 0.2031,
0.1625

■ 23.9516, 0.2031,
0.1625

■ 17.9067, 0.1851,
0.1321

■ 31.6226, 0.2229,
0.1946

■ 13.3662, 0.1701,
0.1054

■ 41.0248, 0.2433,
0.2265

■ 10.1945, 0.1593,
0.0843

■ 52.2567, 0.2632,
0.2567

■ 8.2196, 0.1530,
0.0701

■ 65.4089, 0.2819,
0.2845

■ 8.0458, 0.1525,
0.0688

■ 80.5660, 0.2990,
0.3095

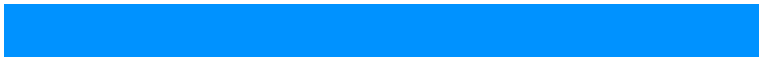
97.8073, 0.3145,
0.3315

99.6836, 0.3156,
0.3337

Harmonies

Analogous

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



23.9516, 0.1435, 0.1620



23.9516, 0.2031, 0.1625



23.9516, 0.3061, 0.1917

Triad

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



23.9516, 0.2031, 0.1625



23.9516, 0.5457, 0.3916



23.9516, 0.1843, 0.4273

Complementary

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



23.9516, 0.2031, 0.1625



77.9309, 0.4074, 0.4523

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.



23.9516, 0.2787, 0.5494



23.9516, 0.2031, 0.1625



23.9516, 0.4851, 0.4762

Square

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



23.9516, 0.2031, 0.1625



23.9516, 0.5336, 0.3151



23.9516, 0.3873, 0.5507



23.9516, 0.1314, 0.2829

Rectangle

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



23.9516, 0.2031, 0.1625



23.9516, 0.3931, 0.2255



23.9516, 0.3873, 0.5507



23.9516, 0.2121, 0.4775

Sweetspot

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



23.9523, 0.2031, 0.1625



69.5620, 0.2833, 0.2866



76.8709, 0.2490, 0.3558



13.9759, 0.2780, 0.2788



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.



23.9523, 0.2031, 0.1625



17.5120, 0.1813, 0.1256



23.5246, 0.2335, 0.1546



17.0231, 0.2979, 0.3078



4.3839, 0.1529, 0.0705



0.5196, 0.1576, 0.0873

Inverse Universe

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



31.4628, 0.4710, 0.3096



27.0431, 0.5251, 0.3092



81.4496, 0.3599, 0.4879



17.2636, 0.3273, 0.3258



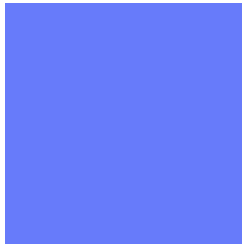
10.8535, 0.6225, 0.3203



1.0167, 0.5954, 0.3054

Previews

White Background



This preview shows how the Yxy color 23.9516, 0.2031, 0.1625 looks on a white background.

Color Contrast Check

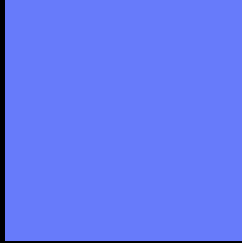
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9516, 0.2031, 0.1625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

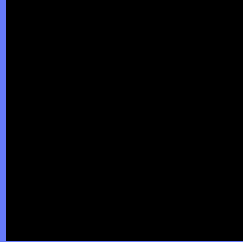
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9516, 0.2031, 0.1625

Background



This preview shows how black text looks on a background with the Yxy color 23.9516, 0.2031, 0.1625.



This preview shows how white text looks on a background with the Yxy color 23.9516, 0.2031, 0.1625.

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

23.9516, 0.2031, 0.1625

Protanopia

23.9773, 0.1867, 0.1602

Deuteranopia

23.8996, 0.1828, 0.1781



Tritanopia

24.0489, 0.2360, 0.3082

Trichromacy



Original Color

23.9516, 0.2031, 0.1625

Protanomaly

23.8903, 0.1918, 0.1610

Deuteranomaly

23.1576, 0.1839, 0.1689

Tritanomaly

23.5582, 0.2210, 0.2407

Monochromacy



Original Color

23.9516, 0.2031, 0.1625

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.8606, 0.2606, 0.2538

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9516, 0.2031, 0.1625 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(103, 123, 250)` looks like.

```
.text, #text, p{  
    color:rgb(103, 123, 250)  
}
```

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(103, 123, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 123, 250) }
```

Border

The CSS property to change the border of an element to Yxy 23.9516, 0.2031, 0.1625 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(103, 123, 250) }
```

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

```
.border{ border-color:rgb(103, 123, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 123, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 123, 250); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 123, 250); box-shadow:4px 4px 4px 4px rgb(103, 123, 250) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9516, 0.2031, 0.1625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 123, 250) }
```

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

```
.background{ background-color: rgb(103,  
123, 250) }
```

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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