

Converting Colors

$Y_{xy}(23.4750, 0.2000, 0.1552)$

Have a look what the booklet for
Yxy(23.4750, 0.2000, 0.1552)
contains.

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Color

Yxy(23.4777, 0.1999, 0.1552)

Conversions

Conversions Part 1

Format	Color
Hex	6678FF
RGB	102, 120, 255
RGB Percent	40%, 47%, 100%
CMY	0.6003, 0.5293, 0.0000
CMYK	0.60, 0.53, 0.00, 0.00
HSL	233°, 100%, 70%
HSV	233°, 60%, 100%
XYZ	30.2396, 23.4777, 97.5565
YIQ	130.0080, -54.0630, 38.1690

Conversions

Conversions Part 2

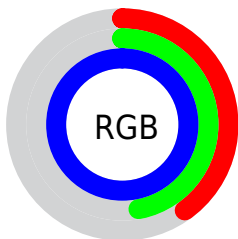
Format	Color
RYB	102, 118, 255
Decimal	6715647
CIELab	55.56, 32.88, -69.43
CIElCh	56, 76.822, 295.344
Yxy	23.4777, 0.1999, 0.1552
Android (android.graphics.Color)	4284905727 (0xFF6678FF)
YUV	130.0080, 61.6211, -24.5630
Hunter-Lab	48.4538, 26.6063, -85.4564

Details

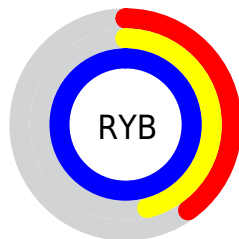
The Yxy color **23.4777, 0.1999, 0.1552** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **82.7240, 0.4077, 0.4565**, and the grayscale version is **22.1135, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.6176, 0.2488, 0.2307**, and **8.7761, 0.1676, 0.1166** is the 20% darker color. If you saturate the color by 10%, you get **17.4223, 0.1821, 0.1249**, and if you desaturate by 10%, it is **31.2602, 0.2198, 0.1877**.

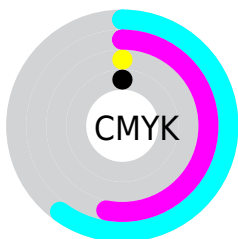
Distribution



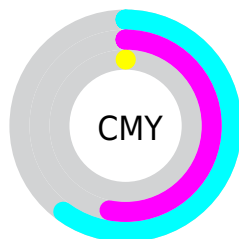
- Red (40%)
- Green (47%)
- Blue (100%)



- Red (40%)
- Yellow (46%)
- Blue (100%)



- Cyan (60%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (53%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4777, 0.1999, 0.1552 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 23.4777, 0.1999, 0.1552 by changing the saturation by 10% instead.


 23.4777, 0.1999,
0.1552


 23.4777, 0.1999,
0.1552


270.1692, 0.2590,
0.2373


 14.9466, 0.1854,
0.1374


 49.1765, 0.2214,
0.1832

 8.7819, 0.1674,
0.1164


 67.1131, 0.2295,
0.1943

 4.5992, 0.1448,
0.0919


 88.9536, 0.2364,
0.2039

 2.0141, 0.1162,
0.0639

115.0824, 0.2422,
0.2123

 0.6156, 0.0813,
0.0331

145.8840, 0.2473,
0.2197

 0.0000, 0.0334,
0.0000

181.7427, 0.2517,

 0.0000, 0.0000,

0.2262

0.0000

223.0430, 0.2556,
0.2321

■ 23.4777, 0.1999,
0.1552

■ 23.4777, 0.1999,
0.1552

■ 17.4223, 0.1821,
0.1249

■ 31.2602, 0.2198,
0.1877

■ 12.9608, 0.1676,
0.0991

■ 40.8898, 0.2403,
0.2202

■ 9.9390, 0.1575,
0.0794

■ 52.4751, 0.2605,
0.2514

■ 8.1567, 0.1519,
0.0669

■ 66.1164, 0.2795,
0.2802

■ 81.9071, 0.2970,
0.3061

99.9347, 0.3127,
0.3289

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



23.4777, 0.1369, 0.1532



23.4777, 0.1999, 0.1552



23.4777, 0.3098, 0.1864

Triad

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



23.4777, 0.1999, 0.1552



23.4777, 0.5566, 0.3936



23.4777, 0.1729, 0.4281

Complementary

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



23.4777, 0.1999, 0.1552



82.7240, 0.4077, 0.4565

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.



23.4777, 0.2698, 0.5646



23.4777, 0.1999, 0.1552



23.4777, 0.4879, 0.4834

Square

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



23.4777, 0.1999, 0.1552



23.4777, 0.5500, 0.3147



23.4777, 0.3832, 0.5654



23.4777, 0.1210, 0.2736

Rectangle

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



23.4777, 0.1999, 0.1552



23.4777, 0.4032, 0.2220



23.4777, 0.3832, 0.5654



23.4777, 0.2011, 0.4839

Sweetspot

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



23.4775, 0.1999, 0.1552



69.1513, 0.2832, 0.2857



80.3141, 0.2471, 0.3533



13.8778, 0.2779, 0.2778



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.



23.4775, 0.1999, 0.1552



16.4239, 0.1789, 0.1194



23.9794, 0.2333, 0.1516



17.7237, 0.2979, 0.3074



4.3704, 0.1524, 0.0684



0.5310, 0.1564, 0.0830

Inverse Universe

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



32.1022, 0.4801, 0.3121



26.6099, 0.5338, 0.3122



84.6017, 0.3588, 0.4922



18.0220, 0.3276, 0.3262



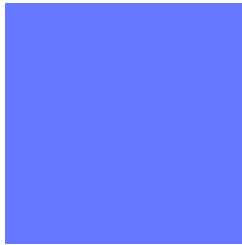
11.1692, 0.6259, 0.3221



1.0981, 0.6021, 0.3090

Previews

White Background



This preview shows how the Yxy color 23.4777, 0.1999, 0.1552 looks on a white background.

Color Contrast Check

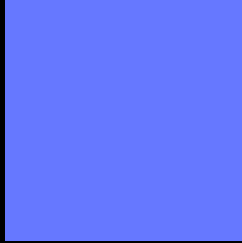
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4777, 0.1999, 0.1552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

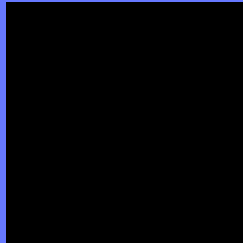
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.4777, 0.1999, 0.1552

Background



This preview shows how black text looks on a background with the Yxy color 23.4777, 0.1999, 0.1552.



This preview shows how white text looks on a background with the Yxy color 23.4777, 0.1999, 0.1552.

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

23.4777, 0.1999, 0.1552

Protanopia

23.5579, 0.1849, 0.1583

Deuteranopia

23.4424, 0.1831, 0.1793



Tritanopia

23.5210, 0.2332, 0.3079

Trichromacy



Original Color

23.4777, 0.1999, 0.1552

Protanomaly

23.3431, 0.1891, 0.1565

Deuteranomaly

22.8902, 0.1835, 0.1675

Tritanomaly

22.8306, 0.2170, 0.2352

Monochromacy



Original Color

23.4777, 0.1999, 0.1552

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.0099, 0.2591, 0.2486

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4777, 0.1999, 0.1552 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(102, 120, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 120, 255)  
}
```

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(102, 120, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 120, 255) }
```

Border

The CSS property to change the border of an element to Yxy 23.4777, 0.1999, 0.1552 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(102, 120, 255) }
```

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

```
.border{ border-color:rgb(102, 120, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 120, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 120, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 120, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 120,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4777, 0.1999, 0.1552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 120, 255) }
```

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

```
.background{ background-color: rgb(102,  
120, 255) }
```

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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