

Converting Colors

$Y_{xy}(24.3659, 0.2076, 0.1583)$

Have a look what the booklet for
Yxy(24.3659, 0.2076, 0.1583)
contains.

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Color

Yxy(24.3659, 0.2076, 0.1583)

Conversions

Conversions Part 1

Format	Color
Hex	7478FF
RGB	116, 120, 255
RGB Percent	45%, 47%, 100%
CMY	0.5455, 0.5293, 0.0001
CMYK	0.55, 0.53, 0.00, 0.00
HSL	238°, 100%, 73%
HSV	238°, 55%, 100%
XYZ	31.9543, 24.3659, 97.6021
YIQ	134.1940, -45.7190, 41.1370

Conversions

Conversions Part 2

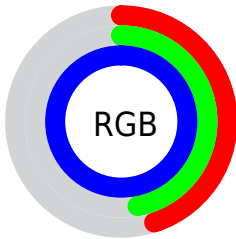
Format	Color
RYB	116, 120, 255
Decimal	7633151
CIELab	56.45, 35.38, -67.92
CIELCh	56, 76.582, 297.512
Yxy	24.3659, 0.2076, 0.1583
Android (android.graphics.Color)	4285823231 (0xFF7478FF)
YUV	134.1940, 59.5574, -15.9561
Hunter-Lab	49.3618, 29.1684, -82.6796

Details

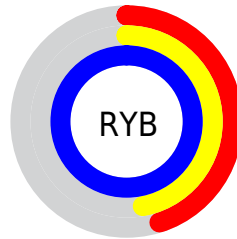
The Yxy color **24.3659, 0.2076, 0.1583** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **91.4000, 0.3937, 0.4565**, and the grayscale version is **23.7006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.0722, 0.2575, 0.2329**, and **9.2943, 0.1773, 0.1210** is the 20% darker color. If you saturate the color by 10%, you get **17.6509, 0.1878, 0.1255**, and if you desaturate by 10%, it is **33.0983, 0.2289, 0.1933**.

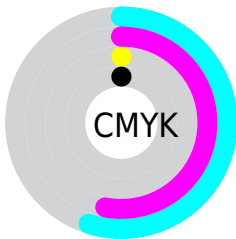
Distribution



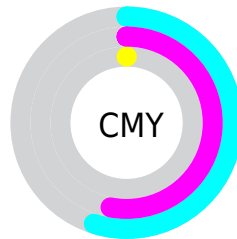
- Red (45%)
- Green (47%)
- Blue (100%)



- Red (45%)
- Yellow (47%)
- Blue (100%)



- Cyan (55%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)





- Cyan (55%)
- Magenta (53%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3659, 0.2076, 0.1583 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 24.3659, 0.2076, 0.1583 by changing the saturation by 10% instead.


 24.3659, 0.2076,
0.1583


 24.3659, 0.2076,
0.1583


274.6652, 0.2630,
0.2386


 15.6053, 0.1939,
0.1409


 50.6266, 0.2278,
0.1857

 9.2453, 0.1768,
0.1202


 68.8955, 0.2354,
0.1966

 4.9015, 0.1550,
0.0960


 91.1026, 0.2418,
0.2060

 2.1896, 0.1273,
0.0681

117.6324, 0.2473,
0.2142

 0.7143, 0.0925,
0.0377

148.8691, 0.2520,
0.2214

 0.0000, 0.0480,
0.0000

185.1972, 0.2562,

 0.0000, 0.0000,

0.2278

0.0000

227.0011, 0.2598,
0.2335

■ 24.3659, 0.2076,
0.1583

■ 24.3659, 0.2076,
0.1583

■ 17.6509, 0.1878,
0.1255

■ 33.0983, 0.2289,
0.1933

■ 12.7900, 0.1712,
0.0976

■ 43.9897, 0.2503,
0.2282

■ 9.5980, 0.1591,
0.0769

■ 57.1714, 0.2706,
0.2612

■ 7.8504, 0.1523,
0.0646

■ 72.7636, 0.2892,
0.2912

■ 7.3831, 0.1504,
0.0612

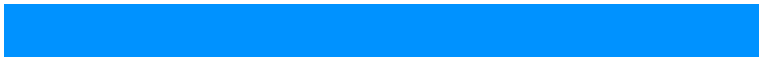
■ 90.8783, 0.3058,
0.3180

99.9982, 0.3127,
0.3290

Harmonies

Analogous

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



24.3659, 0.1419, 0.1542



24.3659, 0.2076, 0.1583



24.3659, 0.3196, 0.1913

Triad

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



24.3659, 0.2076, 0.1583



24.3659, 0.5510, 0.4000



24.3659, 0.1695, 0.4144

Complementary

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



24.3659, 0.2076, 0.1583



91.4000, 0.3937, 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.



24.3659, 0.2631, 0.5547



24.3659, 0.2076, 0.1583



24.3659, 0.4799, 0.4891

Square

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



24.3659, 0.2076, 0.1583



24.3659, 0.5504, 0.3209



24.3659, 0.3752, 0.5662



24.3659, 0.1212, 0.2662

Rectangle

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



24.3659, 0.2076, 0.1583



24.3659, 0.4121, 0.2277



24.3659, 0.3752, 0.5662



24.3659, 0.1964, 0.4697

Sweetspot

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



24.3666, 0.2076, 0.1583



70.3591, 0.2866, 0.2871



82.1310, 0.2451, 0.3342



14.3452, 0.2829, 0.2810



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.



24.3666, 0.2076, 0.1583



17.3952, 0.1870, 0.1241



29.4844, 0.2535, 0.1727



17.4644, 0.2978, 0.3051



3.8963, 0.1505, 0.0618



0.4086, 0.1517, 0.0660

Inverse Universe

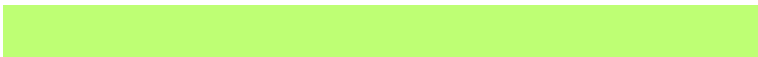
The Inverse Universe completely reimagines the original color for something new.



35.0785, 0.4717, 0.3254



29.2580, 0.5211, 0.3253



83.7166, 0.3470, 0.4829



17.9958, 0.3290, 0.3283



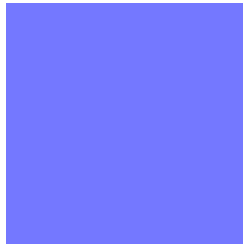
11.1213, 0.6371, 0.3283



1.0858, 0.6299, 0.3244

Previews

White Background



This preview shows how the Yxy color 24.3659, 0.2076, 0.1583 looks on a white background.

Color Contrast Check

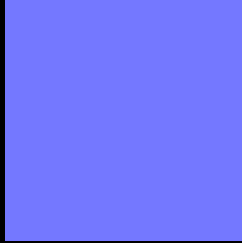
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.3659, 0.2076, 0.1583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

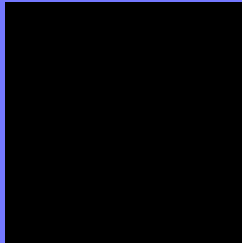
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.3659, 0.2076, 0.1583

Background



This preview shows how black text looks on a background with the Yxy color 24.3659, 0.2076, 0.1583.

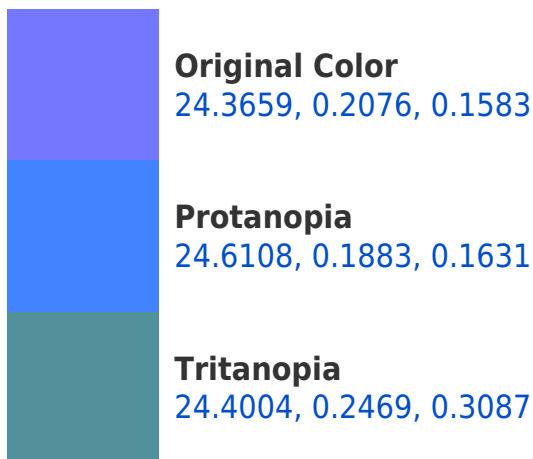


This preview shows how white text looks on a background with the Yxy color 24.3659, 0.2076, 0.1583.

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



Trichromacy



Original Color

24.3659, 0.2076, 0.1583

Protanomaly

24.2836, 0.1936, 0.1605

Tritanomaly

23.7938, 0.2294, 0.2380

Monochromacy



Original Color

24.3659, 0.2076, 0.1583

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.4269, 0.2638, 0.2508

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3659, 0.2076, 0.1583 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(116, 120, 255)` looks like.

```
.text, #text, p{  
    color:rgb(116, 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(116, 120, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 120, 255) }
```

Border

The CSS property to change the border of an element to Yxy 24.3659, 0.2076, 0.1583 is called "border". The border property can be set on classes, ids or directly on the HTML element.

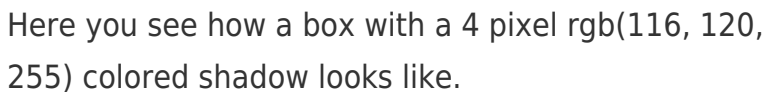
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 120, 255) }
```

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

```
.border{ border-color:rgb(116, 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(116, 120, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 120, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 120, 255); box-shadow:4px 4px 4px 4px rgb(116, 120, 255) }
```

Background

The CSS property to change the background color of an element to `Yxy 24.3659, 0.2076, 0.1583` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 120, 255) }
```

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

```
.background{ background-color: rgb(116,  
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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