

Converting Colors

$Y_{xy}(30.4618, 0.2397, 0.1902)$

Have a look what the booklet for
Yxy(30.4618, 0.2397, 0.1902)
contains.

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Color

Yxy(30.4763, 0.2396, 0.1907)

Conversions

Conversions Part 1

Format	Color
Hex	9986F6
RGB	153, 134, 246
RGB Percent	60%, 53%, 96%
CMY	0.4001, 0.4745, 0.0353
CMYK	0.38, 0.46, 0.00, 0.04
HSL	250°, 86%, 75%
HSV	250°, 46%, 96%
XYZ	38.2911, 30.4763, 91.0453
YIQ	152.4490, -24.6280, 38.8600

Conversions

Conversions Part 2

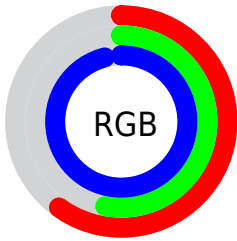
Format	Color
R _Y B	153, 134, 246
Decimal	10061558
CIE Lab	62.06, 32.80, -53.83
CIE LCh	62, 63.037, 301.357
Yxy	30.4763, 0.2396, 0.1907
Android (android.graphics.Color)	4288251638 (0xFF9986F6)
YUV	152.4490, 46.1206, 0.4832
Hunter-Lab	55.2053, 27.2006, -59.1381

Details

The Yxy color **30.4763, 0.2396, 0.1907** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **83.9638, 0.3667, 0.4465**, and the grayscale version is **31.4080, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.6095, 0.2830, 0.2555**, and **12.5562, 0.2174, 0.1579** is the 20% darker color. If you saturate the color by 10%, you get **22.6287, 0.2201, 0.1569**, and if you desaturate by 10%, it is **40.2479, 0.2585, 0.2248**.

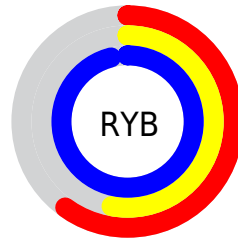
Distribution



Red (60%)

Green (53%)

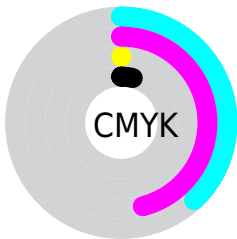
Blue (96%)



Red (60%)

Yellow (53%)

Blue (96%)

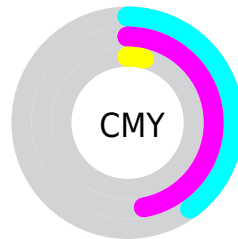


Cyan (38%)

Magenta (46%)

Yellow (0%)

Black (4%)



Cyan (40%)


Magenta (47%)


Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.4763, 0.2396, 0.1907 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 30.4763, 0.2396, 0.1907 by changing the saturation by 10% instead.

 30.4763, 0.2396,
0.1907


 30.4763, 0.2396,
0.1907


304.1183, 0.2783,
0.2564


 20.2004, 0.2297,
0.1759


 60.4146, 0.2539,
0.2135

 12.5408, 0.2171,
0.1579


 80.8458, 0.2592,
0.2224

 7.1131, 0.2006,
0.1358


 105.4309, 0.2637,
0.2300

 3.5329, 0.1783,
0.1086

134.5542, 0.2675,
0.2367

 1.4159, 0.1477,
0.0757

168.6003, 0.2707,
0.2425

 0.2284, 0.1072,
0.0238

207.9534, 0.2736,

 0.0000, 0.0000,

0.2477

0.0000

252.9979, 0.2761,
0.2522

■ 30.4763, 0.2396,
0.1907

■ 30.4763, 0.2396,
0.1907

■ 22.6287, 0.2201,
0.1569

■ 40.2479, 0.2585,
0.2248

■ 16.5732, 0.2011,
0.1254

■ 52.0567, 0.2761,
0.2575

■ 12.1663, 0.1839,
0.0988

■ 66.0113, 0.2919,
0.2878

■ 9.2407, 0.1698,
0.0790

■ 82.2113, 0.3058,
0.3152

■ 7.5918, 0.1597,
0.0670

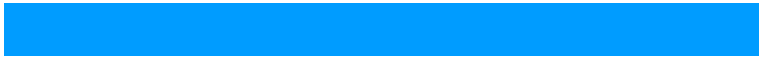
■ 99.4333, 0.3179,
0.3376

■ 7.1382, 0.1564,
0.0635

Harmonies

Analogous

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



30.4763, 0.1781, 0.1849



30.4763, 0.2396, 0.1907



30.4763, 0.3335, 0.2222

Triad

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



30.4763, 0.2396, 0.1907



30.4763, 0.5016, 0.4077



30.4763, 0.1936, 0.3794

Complementary

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



30.4763, 0.2396, 0.1907



83.9638, 0.3667, 0.4465

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.



30.4763, 0.2689, 0.4849



30.4763, 0.2396, 0.1907



30.4763, 0.4463, 0.4758

Square

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



30.4763, 0.2396, 0.1907



30.4763, 0.5021, 0.3385



30.4763, 0.3613, 0.5171



30.4763, 0.1540, 0.2734

Rectangle

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



30.4763, 0.2396, 0.1907



30.4763, 0.4039, 0.2552



30.4763, 0.3613, 0.5171



30.4763, 0.2152, 0.4186

Sweetspot

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



30.4774, 0.2396, 0.1907



74.1027, 0.2941, 0.2921



66.8408, 0.2477, 0.3065



15.1001, 0.2909, 0.2859



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.



30.4774, 0.2396, 0.1907



24.8703, 0.2209, 0.1582



37.2142, 0.2850, 0.2065



16.0615, 0.3006, 0.3047



3.8510, 0.1574, 0.0641



0.3762, 0.1677, 0.0697

Inverse Universe

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



42.1933, 0.3351, 0.2341



39.2484, 0.3411, 0.2167



76.3239, 0.3283, 0.4629



16.7173, 0.3164, 0.3096



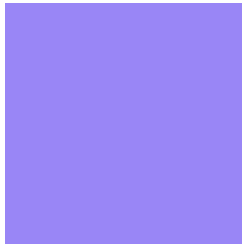
12.8121, 0.3690, 0.1806



1.1385, 0.3619, 0.1767

Previews

White Background



This preview shows how the Yxy color 30.4763, 0.2396, 0.1907 looks on a white background.

Color Contrast Check

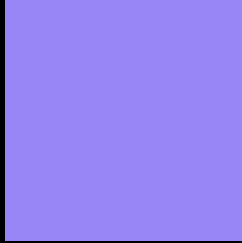
Large Text (above 18pt) WCAG AA × Fail

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 30.4763, 0.2396, 0.1907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

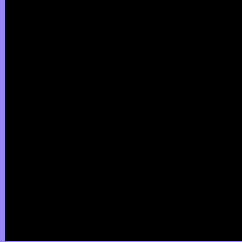
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.4763, 0.2396, 0.1907

Background



This preview shows how black text looks on a background with the Yxy color 30.4763, 0.2396, 0.1907.



This preview shows how white text looks on a background with the Yxy color 30.4763, 0.2396, 0.1907.

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

30.4763, 0.2396, 0.1907

Protanopia

30.6613, 0.2077, 0.1877

Deuteranopia

30.6032, 0.2098, 0.2035



Tritanopia

30.5674, 0.2841, 0.3100

Trichromacy



Original Color

30.4763, 0.2396, 0.1907

Protanomaly

30.4392, 0.2173, 0.1883

Deuteranomaly

30.0624, 0.2184, 0.1976

Tritanomaly

30.1155, 0.2665, 0.2589

Monochromacy



Original Color

30.4763, 0.2396, 0.1907

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.4714, 0.2825, 0.2695

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4763, 0.2396, 0.1907 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(153, 134, 246)` looks like.

```
.text, #text, p{  
    color:rgb(153, 134, 246)  
}
```

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(153, 134, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 134, 246) }
```

Border

The CSS property to change the border of an element to Yxy 30.4763, 0.2396, 0.1907 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(153, 134, 246) }
```

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

```
.border{ border-color:rgb(153, 134, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 134, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 134, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 134, 246);  
box-shadow:4px 4px 4px 4px rgb(153, 134,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4763, 0.2396, 0.1907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 134, 246) }
```

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

```
.background{ background-color: rgb(153,  
134, 246) }
```

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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