

Converting Colors

Yxy(33.2567, 0.2420, 0.1569)

Have a look what the booklet for
Yxy(33.2567, 0.2420, 0.1569)
contains.

Yxy(31.1240, 0.2614, 0.1778)	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(31.1240, 0.2614, 0.1778)

Conversions

Conversions Part 1

Format	Color
Hex	BE76FF
RGB	190, 118, 255
RGB Percent	75%, 46%, 100%
CMY	0.2549, 0.5372, 0.0002
CMYK	0.25, 0.54, 0.00, 0.00
HSL	272°, 100%, 73%
HSV	272°, 54%, 100%
XYZ	45.7582, 31.1240, 98.1684
YIQ	155.1460, -1.0650, 57.8710

Conversions

Conversions Part 2

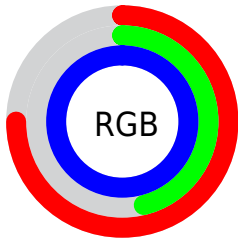
Format	Color
R_{YB}	190, 118, 255
Decimal	12482303
CIE _{Lab}	62.61, 53.03, -57.67
CIE _{LCh}	63, 78.347, 312.597
Y _{xy}	31.1240, 0.2614, 0.1778
Android (android.graphics.Color)	4290672383 (0xFFBE76FF)
YUV	155.1460, 49.2280, 30.5670
Hunter-Lab	55.7889, 48.7757, -65.2769

Details

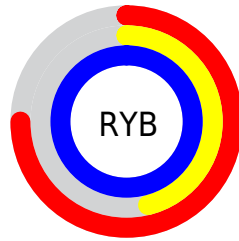
The Yxy color **31.1240, 0.2614, 0.1778** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **82.8659, 0.3414, 0.4833**, and the grayscale version is **32.6268, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8648, 0.3118, 0.2467**, and **12.9142, 0.2444, 0.1455** is the 20% darker color. If you saturate the color by 10%, you get **24.4161, 0.2487, 0.1509**, and if you desaturate by 10%, it is **39.5859, 0.2734, 0.2069**.

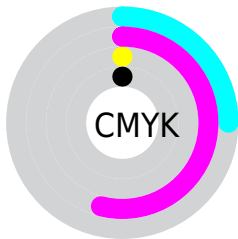
Distribution



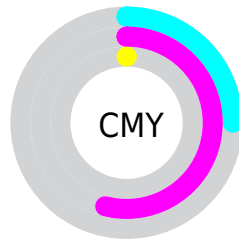
- Red (75%)
- Green (46%)
- Blue (100%)



- Red (75%)
- Yellow (46%)
- Blue (100%)



- Cyan (25%)
- Magenta (54%)
- Yellow (0%)
- Black (0%)





- Cyan (25%)
- Magenta (54%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.1240, 0.2614, 0.1778 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 31.1240, 0.2614, 0.1778 by changing the saturation by 10% instead.


 31.1240, 0.2614,
0.1778


 31.1240, 0.2614,
0.1778


307.1092, 0.2900,
0.2470


 20.6933, 0.2538,
0.1628


 61.4352, 0.2722,
0.2013

 12.9000, 0.2439,
0.1449


 82.0846, 0.2762,
0.2106

 7.3597, 0.2306,
0.1233


 106.9089, 0.2795,
0.2187

 3.6881, 0.2125,
0.0975

136.2926, 0.2823,
0.2258

 1.5006, 0.1866,
0.0672

170.6201, 0.2847,
0.2321

 0.2892, 0.1508,
0.0242

210.2757, 0.2867,


 0.0000, 0.0906,


0.2376


0.0000


255.6440, 0.2885,
0.2426


 0.0000, 0.0000,
0.0000


 31.1240, 0.2614,
0.1778


 31.1240, 0.2614,
0.1778


 24.4161, 0.2487,
0.1509

 39.5859, 0.2734,
0.2069


 19.3215, 0.2359,
0.1276


 49.9204, 0.2845,
0.2366


 15.6828, 0.2236,
0.1091

 62.2394, 0.2943,
0.2659

 13.3069, 0.2121,
0.0963

 76.6452, 0.3029,
0.2938

 12.2878, 0.2055,
0.0906

 93.2324, 0.3103,
0.3199

99.9974, 0.3127,
0.3290

Harmonies

Analogous

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



31.1240, 0.1757, 0.1595



31.1240, 0.2614, 0.1778



31.1240, 0.3854, 0.2229

Triad

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



31.1240, 0.2614, 0.1778



31.1240, 0.5140, 0.4425



31.1240, 0.1473, 0.3338

Complementary

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



31.1240, 0.2614, 0.1778



82.8659, 0.3414, 0.4833

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.



31.1240, 0.2178, 0.4840



31.1240, 0.2614, 0.1778



31.1240, 0.4274, 0.5252

Square

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



31.1240, 0.2614, 0.1778



31.1240, 0.5501, 0.3612



31.1240, 0.3210, 0.5628



31.1240, 0.1214, 0.2235

Rectangle

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



31.1240, 0.2614, 0.1778



31.1240, 0.4692, 0.2647



31.1240, 0.3210, 0.5628



31.1240, 0.1657, 0.3833

Sweetspot

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



31.1252, 0.2614, 0.1778



73.1870, 0.3011, 0.2876



45.4359, 0.2257, 0.2401



15.0143, 0.2993, 0.2819



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.



31.1252, 0.2614, 0.1778



24.2563, 0.2484, 0.1501



41.2838, 0.3207, 0.2025



17.8476, 0.3062, 0.3050



6.5126, 0.2072, 0.0915



0.6992, 0.2192, 0.0981

Inverse Universe

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



37.6302, 0.3935, 0.2632



31.7521, 0.4179, 0.2540



76.7097, 0.3037, 0.4996



18.1306, 0.3219, 0.3178



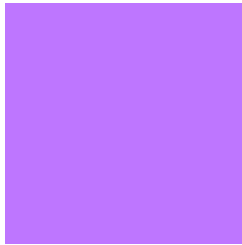
11.8592, 0.5073, 0.2569



1.1766, 0.4805, 0.2421

Previews

White Background



This preview shows how the Yxy color 31.1240, 0.2614, 0.1778 looks on a white background.

Color Contrast Check

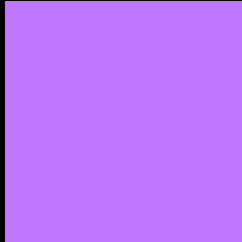
Large Text (above 18pt) WCAG AA × Fail

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 31.1240, 0.2614, 0.1778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

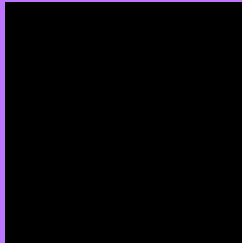
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.1240, 0.2614, 0.1778

Background



This preview shows how black text looks on a background with the Yxy color 31.1240, 0.2614, 0.1778.



This preview shows how white text looks on a background with the Yxy color 31.1240, 0.2614, 0.1778.

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

31.1240, 0.2614, 0.1778

Protanopia

31.4031, 0.2092, 0.1906

Deuteranopia

31.4579, 0.2068, 0.2002



Tritanopia

31.1973, 0.3325, 0.3132

Trichromacy



Original Color

31.1240, 0.2614, 0.1778



Protanomaly

30.3456, 0.2238, 0.1828



Deuteranomaly

30.2332, 0.2208, 0.1878



Tritanomaly

30.6732, 0.3039, 0.2543

Monochromacy



Original Color

31.1240, 0.2614, 0.1778



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

31.4324, 0.2932, 0.2616

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1240, 0.2614, 0.1778 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(190, 118, 255)` looks like.

```
.text, #text, p{  
    color:rgb(190, 118, 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(190, 118, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 118, 255) }
```

Border

The CSS property to change the border of an element to Yxy 31.1240, 0.2614, 0.1778 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(190, 118, 255) }
```

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

```
.border{ border-color:rgb(190, 118, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 118, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(190, 118, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(190, 118, 255); box-shadow:4px 4px 4px 4px rgb(190, 118, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1240, 0.2614, 0.1778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 118, 255) }
```

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

```
.background{ background-color: rgb(190,  
118, 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](#).

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