

Converting Colors

$Yxy(37.6639, 0.2432, 0.1793)$

Have a look what the booklet for
Yxy(37.6639, 0.2432, 0.1793)
contains.

Yxy(36.0434, 0.2579, 0.1979)	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(36.0434, 0.2579, 0.1979)

Conversions

Conversions Part 1

Format	Color
Hex	B78CFF
RGB	183, 140, 255
RGB Percent	72%, 55%, 100%
CMY	0.2821, 0.4511, 0.0000
CMYK	0.28, 0.45, 0.00, 0.00
HSL	262°, 100%, 77%
HSV	262°, 45%, 100%
XYZ	46.9712, 36.0434, 99.1148
YIQ	165.9670, -11.2870, 44.8810

Conversions

Conversions Part 2

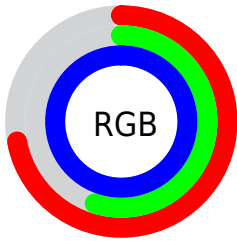
Format	Color
RYB	183, 140, 255
Decimal	12029183
CIELab	66.55, 39.47, -51.50
CIELCh	67, 64.887, 307.471
Yxy	36.0434, 0.2579, 0.1979
Android (android.graphics.Color)	4290219263 (0xFFB78CFF)
YUV	165.9670, 43.8933, 14.9379
Hunter-Lab	60.0362, 34.5918, -55.8576

Details

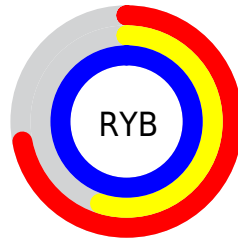
The Yxy color **36.0434, 0.2579, 0.1979** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **87.3957, 0.3501, 0.4526**, and the grayscale version is **37.9053, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.5043, 0.3051, 0.2673**, and **15.7340, 0.2408, 0.1682** is the 20% darker color. If you saturate the color by 10%, you get **27.5894, 0.2422, 0.1667**, and if you desaturate by 10%, it is **46.4440, 0.2727, 0.2296**.

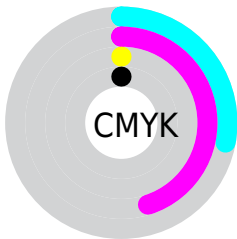
Distribution



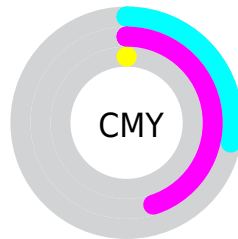
- Red (72%)
- Green (55%)
- Blue (100%)



- Red (72%)
- Yellow (55%)
- Blue (100%)



- Cyan (28%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)





- Cyan (28%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.0434, 0.2579, 0.1979 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 36.0434, 0.2579, 0.1979 by changing the saturation by 10% instead.


 36.0434, 0.2579,
0.1979

 36.0434, 0.2579,
0.1979

329.1502, 0.2870,
0.2585

 24.4677, 0.2505,
0.1845


 69.0990, 0.2687,
0.2187

 15.6809, 0.2409,
0.1682


 91.3478, 0.2727,
0.2269

 9.2987, 0.2284,
0.1484


 117.9230, 0.2760,
0.2339

 4.9365, 0.2113,
0.1239

149.2091, 0.2789,
0.2401

 2.2100, 0.1873,
0.0937

185.5905, 0.2813,
0.2456

 0.7255, 0.1527,
0.0571

227.4516, 0.2835,

 0.0000, 0.1014,

0.2504

0.0000

275.1766, 0.2853,
0.2547

0.0000, 0.0000,
0.0000

36.0434, 0.2579,
0.1979

36.0434, 0.2579,
0.1979

27.5894, 0.2422,
0.1667

46.4440, 0.2727,
0.2296

20.9555, 0.2261,
0.1377

58.9096, 0.2860,
0.2605

15.9968, 0.2104,
0.1127


73.5464, 0.2978,
0.2895

12.5459, 0.1961,
0.0932

90.4541, 0.3081,
0.3163

10.3976, 0.1838,
0.0802

100.0000, 0.3127,
0.3290

 9.6814, 0.1786,
0.0758

Harmonies

Analogous

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



36.0434, 0.1905, 0.1868



36.0434, 0.2579, 0.1979



36.0434, 0.3542, 0.2336

Triad

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



36.0434, 0.2579, 0.1979



36.0434, 0.4900, 0.4210



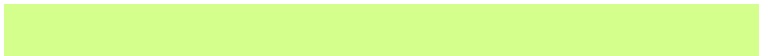
36.0434, 0.1855, 0.3550

Complementary

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



36.0434, 0.2579, 0.1979



87.3957, 0.3501, 0.4526

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.



36.0434, 0.2532, 0.4632



36.0434, 0.2579, 0.1979



36.0434, 0.4286, 0.4846

Square

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



36.0434, 0.2579, 0.1979



36.0434, 0.5026, 0.3525



36.0434, 0.3424, 0.5126



36.0434, 0.1539, 0.2588

Rectangle

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



36.0434, 0.2579, 0.1979



36.0434, 0.4214, 0.2684



36.0434, 0.3424, 0.5126



36.0434, 0.2043, 0.3930

Sweetspot

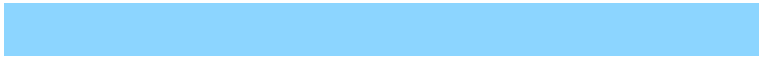
The Sweet Spot groups the original color and five complimentary colors.



36.0428, 0.2579, 0.1979



75.3086, 0.2990, 0.2926



60.2922, 0.2431, 0.2786



15.3911, 0.2967, 0.2866



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.



36.0428, 0.2579, 0.1979



28.4351, 0.2440, 0.1701



44.4339, 0.3047, 0.2141



17.7092, 0.3038, 0.3048



5.1368, 0.1803, 0.0767



0.5601, 0.1927, 0.0835

Inverse Universe

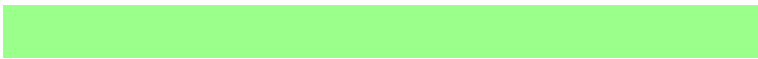
The Inverse Universe completely reimagines the original color for something new.



44.7564, 0.3574, 0.2560



38.3841, 0.3702, 0.2430



80.4117, 0.3144, 0.4676



18.1782, 0.3196, 0.3142



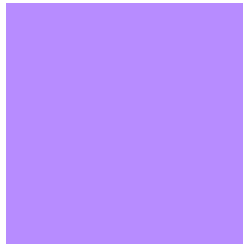
12.4552, 0.4441, 0.2220



1.2339, 0.4262, 0.2122

Previews

White Background



This preview shows how the Yxy color 36.0434, 0.2579, 0.1979 looks on a white background.

Color Contrast Check

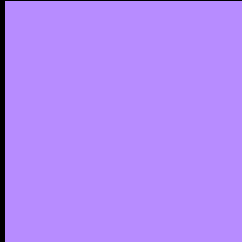
Large Text (above 18pt) WCAG AA × Fail

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 36.0434, 0.2579, 0.1979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

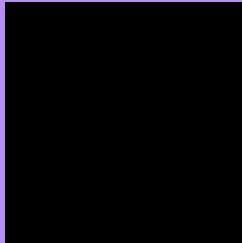
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.0434, 0.2579, 0.1979

Background



This preview shows how black text looks on a background with the Yxy color 36.0434, 0.2579, 0.1979.



This preview shows how white text looks on a background with the Yxy color 36.0434, 0.2579, 0.1979.

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

36.0434, 0.2579, 0.1979

Protanopia

36.3762, 0.2225, 0.2080

Deuteranopia

36.4558, 0.2207, 0.2153



Tritanopia

35.9520, 0.3097, 0.3120

Trichromacy



Original Color

36.0434, 0.2579, 0.1979

Protanomaly

35.7875, 0.2334, 0.2030

Deuteranomaly

35.7149, 0.2315, 0.2070

Tritanomaly

35.6050, 0.2889, 0.2629

Monochromacy



Original Color

36.0434, 0.2579, 0.1979

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

36.9618, 0.2915, 0.2744

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.0434, 0.2579, 0.1979 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(183, 140, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 140, 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(183, 140, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 140, 255) }
```

Border

The CSS property to change the border of an element to Yxy 36.0434, 0.2579, 0.1979 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(183, 140, 255) }
```

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

```
.border{ border-color:rgb(183, 140, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 140, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 140, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 140, 255);  
box-shadow:4px 4px 4px 4px rgb(183, 140,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 36.0434, 0.2579, 0.1979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 140, 255) }
```

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

```
.background{ background-color: rgb(183,  
140, 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