

Converting Colors

$Y_{xy}(36.6961, 0.2595, 0.2036)$

Have a look what the booklet for
Yxy(36.6961, 0.2595, 0.2036)
contains.

Yxy(36.6183, 0.2594, 0.2034)	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(36.6183, 0.2594, 0.2034)

Conversions

Conversions Part 1

Format	Color
Hex	B68FFC
RGB	182, 143, 252
RGB Percent	71%, 56%, 99%
CMY	0.2860, 0.4393, 0.0117
CMYK	0.28, 0.43, 0.00, 0.01
HSL	262°, 95%, 77%
HSV	262°, 43%, 99%
XYZ	46.7000, 36.6183, 96.7126
YIQ	167.0870, -11.7450, 42.1670

Conversions

Conversions Part 2

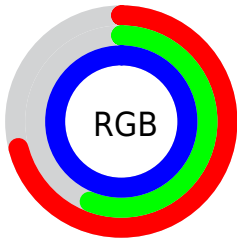
Format	Color
RYB	182, 143, 252
Decimal	11964412
CIELab	66.99, 36.83, -49.17
CIElCh	67, 61.432, 306.837
Yxy	36.6183, 0.2594, 0.2034
Android (android.graphics.Color)	4290154492 (0xFFB68FFC)
YUV	167.0870, 41.8621, 13.0787
Hunter-Lab	60.5131, 31.8568, -52.3988

Details

The Yxy color **36.6183, 0.2594, 0.2034** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **85.7426, 0.3501, 0.4468**, and the grayscale version is **38.4882, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.6778, 0.3043, 0.2703**, and **16.0300, 0.2426, 0.1745** is the 20% darker color. If you saturate the color by 10%, you get **28.0296, 0.2435, 0.1718**, and if you desaturate by 10%, it is **47.1361, 0.2742, 0.2352**.

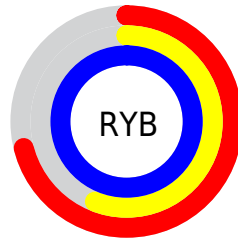
Distribution



Red (71%)

Green (56%)

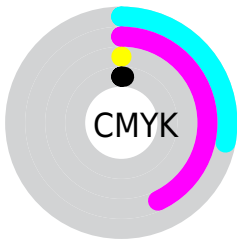
Blue (99%)



Red (71%)

Yellow (56%)

Blue (99%)

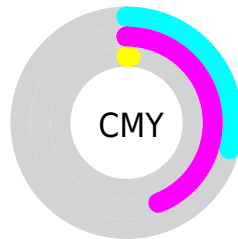


Cyan (28%)

Magenta (43%)

Yellow (0%)

Black (1%)



Cyan (29%)


Magenta (44%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.6183, 0.2594, 0.2034 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 36.6183, 0.2594, 0.2034 by changing the saturation by 10% instead.


 36.6183, 0.2594,
0.2034


 36.6183, 0.2594,
0.2034


331.6550, 0.2876,
0.2618

 24.9121, 0.2522,
0.1904


 69.9853, 0.2698,
0.2235

 16.0116, 0.2429,
0.1745


 92.4150, 0.2737,
0.2314

 9.5323, 0.2307,
0.1550


119.1878, 0.2770,
0.2382

 5.0900, 0.2141,
0.1308

150.6884, 0.2797,
0.2441

 2.3002, 0.1906,
0.1005

187.3010, 0.2821,
0.2494

 0.7738, 0.1563,
0.0633

229.4100, 0.2842,

 0.0000, 0.1045,


0.2540


0.0000


277.3999, 0.2860,
0.2581


 0.0000, 0.0000,
0.0000

 36.6183, 0.2594,
0.2034


 36.6183, 0.2594,
0.2034

 28.0296, 0.2435,
0.1718


 47.1361, 0.2742,
0.2352


 21.2430, 0.2271,
0.1420


 59.6907, 0.2877,
0.2659


 16.1222, 0.2110,
0.1159

 74.3865, 0.2995,
0.2946

 12.5088, 0.1963,
0.0951

 91.3195, 0.3097,
0.3210

 10.2114, 0.1835,
0.0809

 99.8091, 0.3144,
0.3318

■ 9.2227, 0.1763,
0.0745

Harmonies

Analogous

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



36.6183, 0.1954, 0.1935



36.6183, 0.2594, 0.2034



36.6183, 0.3501, 0.2373

Triad

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



36.6183, 0.2594, 0.2034



36.6183, 0.4823, 0.4170



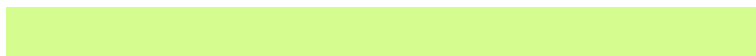
36.6183, 0.1933, 0.3563

Complementary

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



36.6183, 0.2594, 0.2034



85.7426, 0.3501, 0.4468

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.



36.6183, 0.2589, 0.4561



36.6183, 0.2594, 0.2034



36.6183, 0.4256, 0.4764

Square

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



36.6183, 0.2594, 0.2034



36.6183, 0.4917, 0.3515



36.6183, 0.3441, 0.5015



36.6183, 0.1616, 0.2649

Rectangle

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



36.6183, 0.2594, 0.2034



36.6183, 0.4134, 0.2706



36.6183, 0.3441, 0.5015



36.6183, 0.2117, 0.3916

Sweetspot

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



36.6197, 0.2594, 0.2034



76.8315, 0.2998, 0.2953



60.8820, 0.2462, 0.2834



15.6871, 0.2973, 0.2892



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.



36.6197, 0.2594, 0.2034



29.7794, 0.2455, 0.1756



44.4388, 0.3037, 0.2181



16.9459, 0.3035, 0.3049



4.8788, 0.1780, 0.0754



0.5091, 0.1910, 0.0826

Inverse Universe

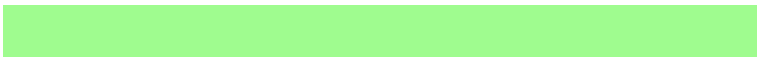
The Inverse Universe completely reimagines the original color for something new.



45.1324, 0.3532, 0.2573



39.8039, 0.3649, 0.2439



79.0157, 0.3156, 0.4607



17.4127, 0.3193, 0.3139



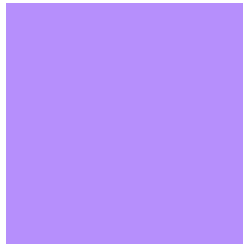
12.1613, 0.4376, 0.2184



1.1466, 0.4199, 0.2087

Previews

White Background



This preview shows how the Yxy color 36.6183, 0.2594, 0.2034 looks on a white background.

Color Contrast Check

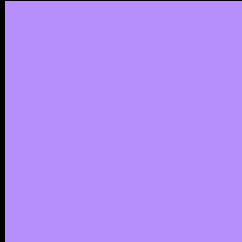
Large Text (above 18pt) WCAG AA × Fail

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 36.6183, 0.2594, 0.2034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

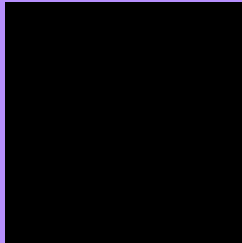
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.6183, 0.2594, 0.2034

Background



This preview shows how black text looks on a background with the Yxy color 36.6183, 0.2594, 0.2034.



This preview shows how white text looks on a background with the Yxy color 36.6183, 0.2594, 0.2034.

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

36.6183, 0.2594, 0.2034

Protanopia

36.8736, 0.2238, 0.2096

Deuteranopia

36.7555, 0.2248, 0.2181



Tritanopia

36.3742, 0.3079, 0.3107

Trichromacy



Original Color

36.6183, 0.2594, 0.2034



Protanomaly

36.4700, 0.2349, 0.2066



Deuteranomaly

36.2115, 0.2358, 0.2117



Tritanomaly

36.1461, 0.2881, 0.2655

Monochromacy



Original Color

36.6183, 0.2594, 0.2034



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

37.3016, 0.2915, 0.2757

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6183, 0.2594, 0.2034 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(182, 143, 252)` looks like.

```
.text, #text, p{  
    color:rgb(182, 143, 252)  
}
```

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(182, 143, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 143, 252) }
```

Border

The CSS property to change the border of an element to Yxy 36.6183, 0.2594, 0.2034 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(182, 143, 252) }
```

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

```
.border{ border-color:rgb(182, 143, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 143, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 143, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 143, 252);  
box-shadow:4px 4px 4px 4px rgb(182, 143,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 36.6183, 0.2594, 0.2034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 143, 252) }
```

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

```
.background{ background-color: rgb(182,  
143, 252) }
```

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