

Converting Colors

$Yxy(36.0755, 0.3194, 0.1828)$

Have a look what the booklet for
Yxy(36.0755, 0.3194, 0.1828)
contains.

Yxy(36.1343, 0.3196, 0.1830)	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(36.1343, 0.3196, 0.1830)

Conversions

Conversions Part 1

Format	Color
Hex	FF5CFF
RGB	255, 92, 255
RGB Percent	100%, 36%, 100%
CMY	0.0001, 0.6391, 0.0002
CMYK	0.00, 0.64, 0.00, 0.00
HSL	300°, 100%, 68%
HSV	300°, 64%, 100%
XYZ	63.1067, 36.1343, 98.2142
YIQ	159.3190, 44.8250, 85.2490

Conversions

Conversions Part 2

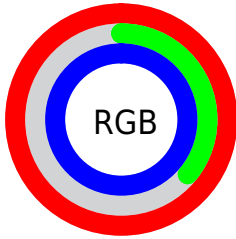
Format	Color
R _{YB}	255, 92, 255
Decimal	16735487
CIE _{Lab}	66.62, 80.07, -50.79
CIE _{LCh}	67, 94.816, 327.611
Y _{xy}	36.1343, 0.3196, 0.1830
Android (android.graphics.Color)	4294925567 (0xFFFF5CFF)
YUV	159.3190, 47.1707, 83.9122
Hunter-Lab	60.1118, 82.1975, -54.7932

Details

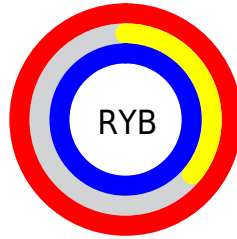
The Yxy color **36.1343, 0.3196, 0.1830** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **74.5632, 0.3030, 0.5365**, and the grayscale version is **34.5962, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.9365, 0.3174, 0.2293**, and **15.8096, 0.3171, 0.1530** is the 20% darker color. If you saturate the color by 10%, you get **32.4342, 0.3202, 0.1696**, and if you desaturate by 10%, it is **41.3237, 0.3188, 0.2005**.

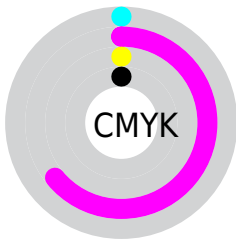
Distribution



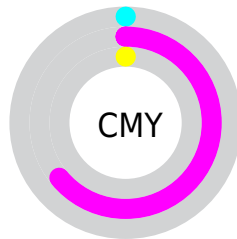
- Red (100%)
- Green (36%)
- Blue (100%)



- Red (100%)
- Yellow (36%)
- Blue (100%)



- Cyan (0%)
- Magenta (64%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (64%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.1343, 0.3196, 0.1830 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 36.1343, 0.3196, 0.1830 by changing the saturation by 10% instead.


 36.1343, 0.3196,
0.1830


 36.1343, 0.3196,
0.1830


329.5472, 0.3198,
0.2476


 24.5379, 0.3187,
0.1693


 69.2393, 0.3204,
0.2046

 15.7331, 0.3171,
0.1531


 91.5167, 0.3205,
0.2133

 9.3355, 0.3145,
0.1336


 118.1233, 0.3205,
0.2208

 4.9607, 0.3099,
0.1101

 149.4434, 0.3204,
0.2275

 2.2242, 0.3017,
0.0821

185.8615, 0.3203,
0.2334

 0.7331, 0.2868,
0.0494

227.7618, 0.3201,

 0.0000, 0.2624,

0.2386

0.0000

275.5289, 0.3200,
0.2434

0.0000, 0.1919,
0.0000

0.0000, 0.0000,
0.0000

36.1343, 0.3196,
0.1830

36.1343, 0.3196,
0.1830

32.4342, 0.3202,
0.1696

41.3237, 0.3188,
0.2005

30.0626, 0.3207,
0.1605


48.1319, 0.3178,
0.2213

28.8305, 0.3209,
0.1556

56.6799, 0.3167,
0.2446

28.4730, 0.3210,
0.1542

67.0758, 0.3155,
0.2693

 79.4191, 0.3143,
0.2946

 93.8021, 0.3132,
0.3195

99.9969, 0.3127,
0.3290

99.9972, 0.3127,
0.3290

99.9975, 0.3127,
0.3290

Harmonies

Analogous

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



36.1343, 0.2004, 0.1488



36.1343, 0.3196, 0.1830



36.1343, 0.4692, 0.2433

Triad

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



36.1343, 0.3196, 0.1830



36.1343, 0.4856, 0.4942



36.1343, 0.1097, 0.2588

Complementary

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



36.1343, 0.3196, 0.1830



74.5632, 0.3030, 0.5365

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.



36.1343, 0.1581, 0.4208



36.1343, 0.3196, 0.1830



36.1343, 0.3732, 0.5830

Square

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



36.1343, 0.3196, 0.1830



36.1343, 0.5650, 0.3985



36.1343, 0.2555, 0.5771



36.1343, 0.1042, 0.1739

Rectangle

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



36.1343, 0.3196, 0.1830



36.1343, 0.5465, 0.2917



36.1343, 0.2555, 0.5771



36.1343, 0.1203, 0.3046

Sweetspot

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



36.1359, 0.3196, 0.1830



72.8872, 0.3149, 0.2817



17.1583, 0.1879, 0.1226



14.8639, 0.3153, 0.2745



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.



36.1359, 0.3196, 0.1830



31.5693, 0.3204, 0.1663



31.9562, 0.4120, 0.2500



18.3003, 0.3138, 0.3056



14.8795, 0.3210, 0.1542



1.4488, 0.3210, 0.1542

Inverse Universe

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



36.1359, 0.3196, 0.1830



31.5693, 0.3204, 0.1663



76.8262, 0.2703, 0.4348



18.3003, 0.3138, 0.3056



14.8795, 0.3210, 0.1542



1.4488, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 36.1343, 0.3196, 0.1830 looks on a white background.

Color Contrast Check

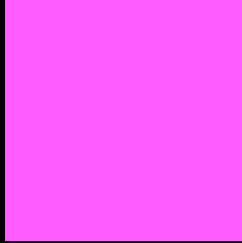
Large Text (above 18pt) WCAG AA × Fail

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 36.1343, 0.3196, 0.1830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

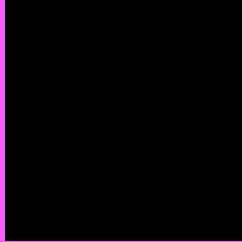
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.1343, 0.3196, 0.1830

Background



This preview shows how black text looks on a background with the Yxy color 36.1343, 0.3196, 0.1830.



This preview shows how white text looks on a background with the Yxy color 36.1343, 0.3196, 0.1830.

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

36.1343, 0.3196, 0.1830

Protanopia

36.3014, 0.2220, 0.2079

Deuteranopia

36.3065, 0.2275, 0.2210



Tritanopia

35.9453, 0.4312, 0.3195

Trichromacy



Original Color

36.1343, 0.3196, 0.1830



Protanomaly

33.3186, 0.2488, 0.1895



Deuteranomaly

33.1563, 0.2532, 0.1963

Tritanomaly

35.1496, 0.3887, 0.2609

Monochromacy



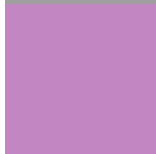
Original Color

36.1343, 0.3196, 0.1830



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

32.6923, 0.3162, 0.2543

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.1343, 0.3196, 0.1830 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(255, 92, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 92, 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(255, 92, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 92, 255) }
```

Border

The CSS property to change the border of an element to Yxy 36.1343, 0.3196, 0.1830 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(255, 92, 255) }
```

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

```
.border{ border-color:rgb(255, 92, 255) }
```

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

Here you see how a box with a 4 pixel rgb(255, 92, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 92, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 92, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 92,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 36.1343, 0.3196, 0.1830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 92, 255) }
```

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

```
.background{ background-color: rgb(255, 92,  
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