

Converting Colors

Yxy(36.6146, 0.3175, 0.1851)

Have a look what the booklet for
Yxy(36.6146, 0.3175, 0.1851)
contains.

Yxy(36.6520, 0.3176, 0.1852)	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(36.6520, 0.3176, 0.1852)

Conversions

Conversions Part 1

Format	Color
Hex	FD61FF
RGB	253, 97, 255
RGB Percent	99%, 38%, 100%
CMY	0.0076, 0.6199, 0.0000
CMYK	0.01, 0.62, 0.00, 0.00
HSL	299°, 100%, 69%
HSV	299°, 62%, 100%
XYZ	62.8546, 36.6520, 98.3983
YIQ	161.6560, 42.2580, 82.2100

Conversions

Conversions Part 2

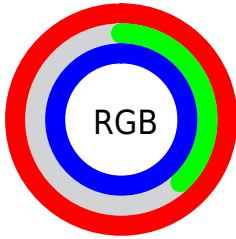
Format	Color
R _Y B	253, 97, 255
Decimal	16605695
CIE Lab	67.02, 77.79, -50.23
CIE LCh	67, 92.600, 327.148
Yxy	36.6520, 0.3176, 0.1852
Android (android.graphics.Color)	4294795775 (0xFFFD61FF)
YUV	161.6560, 46.0186, 80.1087
Hunter-Lab	60.5409, 79.3753, -53.9866

Details

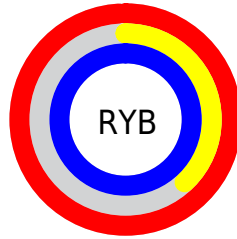
The Yxy color **36.6520, 0.3176, 0.1852** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **75.0267, 0.3040, 0.5299**, and the grayscale version is **35.7173, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.2569, 0.3172, 0.2329**, and **16.0679, 0.3144, 0.1554** is the 20% darker color. If you saturate the color by 10%, you get **32.6179, 0.3179, 0.1707**, and if you desaturate by 10%, it is **42.1984, 0.3171, 0.2037**.

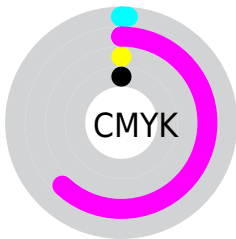
Distribution



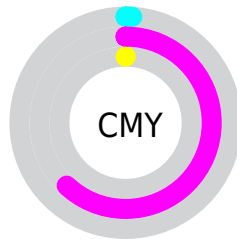
- Red (99%)
- Green (38%)
- Blue (100%)



- Red (99%)
- Yellow (38%)
- Blue (100%)



- Cyan (1%)
- Magenta (62%)
- Yellow (0%)
- Black (0%)




- Cyan (1%)
- Magenta (62%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.6520, 0.3176, 0.1852 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 36.6520, 0.3176, 0.1852 by changing the saturation by 10% instead.


 36.6520, 0.3176,
0.1852


 36.6520, 0.3176,
0.1852


331.8014, 0.3187,
0.2490


 24.9382, 0.3165,
0.1717


 70.0372, 0.3186,
0.2066

 16.0310, 0.3148,
0.1556


 92.4774, 0.3189,
0.2151

 9.5461, 0.3119,
0.1362


 119.2619, 0.3190,
0.2226

 5.0991, 0.3070,
0.1129

 150.7749, 0.3190,
0.2291

 2.3055, 0.2985,
0.0849

187.4010, 0.3189,
0.2349

 0.7766, 0.2832,
0.0522

229.5245, 0.3189,

 0.0000, 0.2589,

0.2401

0.0000

277.5299, 0.3188,
0.2448

■ 0.0000, 0.1869,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.6520, 0.3176,
0.1852

■ 36.6520, 0.3176,
0.1852

■ 32.6179, 0.3179,
0.1707

■ 42.1984, 0.3171,
0.2037

■ 29.9467, 0.3181,
0.1605


■ 49.3900, 0.3165,
0.2253

■ 28.4555, 0.3180,
0.1547

■ 58.3432, 0.3157,
0.2490

■ 27.8932, 0.3178,
0.1524

■ 69.1644, 0.3148,
0.2740

 81.9514, 0.3139,
0.2993

 96.7954, 0.3129,
0.3242

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



36.6520, 0.2016, 0.1518



36.6520, 0.3176, 0.1852



36.6520, 0.4630, 0.2444

Triad

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



36.6520, 0.3176, 0.1852



36.6520, 0.4851, 0.4912



36.6520, 0.1141, 0.2632

Complementary

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



36.6520, 0.3176, 0.1852



75.0267, 0.3040, 0.5299

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.



36.6520, 0.1632, 0.4211



36.6520, 0.3176, 0.1852



36.6520, 0.3757, 0.5763

Square

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



36.6520, 0.3176, 0.1852



36.6520, 0.5609, 0.3979



36.6520, 0.2598, 0.5704



36.6520, 0.1077, 0.1783

Rectangle

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



36.6520, 0.3176, 0.1852



36.6520, 0.5391, 0.2923



36.6520, 0.2598, 0.5704



36.6520, 0.1250, 0.3083

Sweetspot

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



36.6514, 0.3176, 0.1852



72.7757, 0.3145, 0.2816



18.7883, 0.1921, 0.1313



14.8364, 0.3148, 0.2744



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.



36.6514, 0.3176, 0.1852



31.9764, 0.3180, 0.1683



33.0348, 0.4042, 0.2491



18.2884, 0.3136, 0.3056



14.5800, 0.3179, 0.1525



1.4231, 0.3182, 0.1527

Inverse Universe

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



30.6945, 0.5100, 0.3278



25.6164, 0.5671, 0.3282



77.0874, 0.2720, 0.4346



17.9907, 0.3293, 0.3288



11.1139, 0.6388, 0.3293



1.0833, 0.6359, 0.3276

Previews

White Background



This preview shows how the Yxy color 36.6520, 0.3176, 0.1852 looks on a white background.

Color Contrast Check

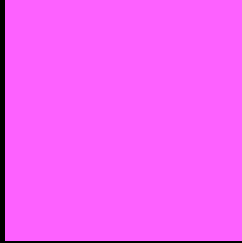
Large Text (above 18pt) WCAG AA × Fail

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 36.6520, 0.3176, 0.1852 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 36.6520, 0.3176, 0.1852

Background



This preview shows how black text looks on a background with the Yxy color 36.6520, 0.3176, 0.1852.



This preview shows how white text looks on a background with the Yxy color 36.6520, 0.3176, 0.1852.

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

36.6520, 0.3176, 0.1852

Protanopia

36.7972, 0.2233, 0.2095

Deuteranopia

36.8079, 0.2289, 0.2226



Tritanopia

36.2094, 0.4246, 0.3183

Trichromacy



Original Color

36.6520, 0.3176, 0.1852



Protanomaly

33.8820, 0.2490, 0.1917



Deuteranomaly

33.7249, 0.2535, 0.1986

Tritanomaly

35.5674, 0.3836, 0.2612

Monochromacy



Original Color

36.6520, 0.3176, 0.1852



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

33.7646, 0.3151, 0.2560

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6520, 0.3176, 0.1852 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(253, 97, 255)` looks like.

```
.text, #text, p{  
    color:rgb(253, 97, 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(253, 97, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 97, 255) }
```

Border

The CSS property to change the border of an element to Yxy 36.6520, 0.3176, 0.1852 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(253, 97, 255) }
```

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

```
.border{ border-color:rgb(253, 97, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 97, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 97, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 97, 255);  
box-shadow:4px 4px 4px 4px rgb(253, 97,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 36.6520, 0.3176, 0.1852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 97, 255) }
```

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

```
.background{ background-color: rgb(253, 97,  
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