

Converting Colors

$Y_{xy}(46.1703, 0.3551, 0.2199)$

Have a look what the booklet for
Yxy(46.1703, 0.3551, 0.2199)
contains.

Yxy(40.6277, 0.3305, 0.2107)	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(40.6277, 0.3305, 0.2107)

Conversions

Conversions Part 1

Format	Color
Hex	FF76F2
RGB	255, 118, 242
RGB Percent	100%, 46%, 95%
CMY	0.0002, 0.5370, 0.0511
CMYK	0.00, 0.54, 0.05, 0.00
HSL	306°, 100%, 73%
HSV	306°, 54%, 100%
XYZ	63.7278, 40.6277, 88.4670
YIQ	173.0990, 41.8480, 67.6080

Conversions

Conversions Part 2

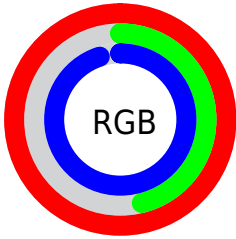
Format	Color
R _Y B	255, 118, 242
Decimal	16742130
CIE Lab	69.91, 67.30, -38.50
CIE LCh	70, 77.535, 330.231
Yxy	40.6277, 0.3305, 0.2107
Android (android.graphics.Color)	4294932210 (0xFFFF76F2)
YUV	173.0990, 33.9682, 71.8272
Hunter-Lab	63.7399, 66.9216, -37.6729

Details

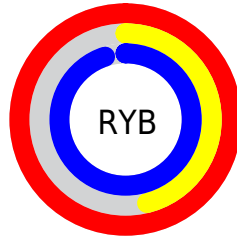
The Yxy color **40.6277, 0.3305, 0.2107** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **76.9820, 0.2992, 0.4868**, and the grayscale version is **41.6572, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.1399, 0.3164, 0.2508**, and **18.2328, 0.3324, 0.1846** is the 20% darker color. If you saturate the color by 10%, you get **35.2672, 0.3343, 0.1941**, and if you desaturate by 10%, it is **47.6164, 0.3267, 0.2304**.

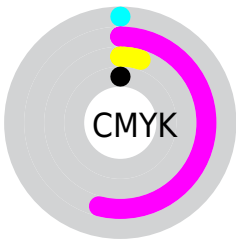
Distribution



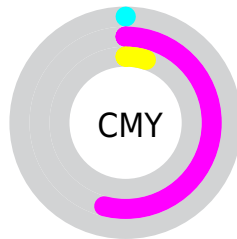
- Red (100%)
- Green (46%)
- Blue (95%)



- Red (100%)
- Yellow (46%)
- Blue (95%)



- Cyan (0%)
- Magenta (54%)
- Yellow (5%)
- Black (0%)




- Cyan (0%)
- Magenta (54%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6277, 0.3305, 0.2107 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 40.6277, 0.3305, 0.2107 by changing the saturation by 10% instead.

 40.6277, 0.3305,
0.2107

 40.6277, 0.3305,
0.2107


348.7622, 0.3241,
0.2642


 28.0283, 0.3315,
0.1990


 76.1184, 0.3287,
0.2289

 18.3470, 0.3324,
0.1848


 99.7785, 0.3278,
0.2361

 11.1994, 0.3331,
0.1674


 127.8943, 0.3271,
0.2423

 6.2011, 0.3333,
0.1457

160.8501, 0.3264,
0.2478

 2.9678, 0.3322,
0.1183

199.0304, 0.3257,
0.2526

 1.1149, 0.3277,
0.0838

242.8196, 0.3251,

 0.0000, 0.3285,

0.2569

0.0000

292.6021, 0.3246,
0.2607

■ 0.0000, 0.2702,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.6277, 0.3305,
0.2107

■ 40.6277, 0.3305,
0.2107

■ 35.2672, 0.3343,
0.1941

■ 47.6164, 0.3267,
0.2304

■ 31.3952, 0.3381,
0.1813

■ 56.3467, 0.3230,
0.2522

■ 28.8582, 0.3417,
0.1730

■ 66.9284, 0.3196,
0.2751

■ 27.4669, 0.3449,
0.1691

■ 79.4607, 0.3165,
0.2982

 27.0076, 0.3468,
0.1684

 94.0357, 0.3137,
0.3208

99.9902, 0.3127,
0.3290

Harmonies

Analogous

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



40.6277, 0.2285, 0.1780



40.6277, 0.3305, 0.2107



40.6277, 0.4468, 0.2657

Triad

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



40.6277, 0.3305, 0.2107



40.6277, 0.4589, 0.4840



40.6277, 0.1405, 0.2689

Complementary

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



40.6277, 0.3305, 0.2107



76.9820, 0.2992, 0.4868

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.



40.6277, 0.1831, 0.3898



40.6277, 0.3305, 0.2107



40.6277, 0.3660, 0.5378

Square

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



40.6277, 0.3305, 0.2107



40.6277, 0.5207, 0.4072



40.6277, 0.2654, 0.5096



40.6277, 0.1359, 0.1987

Rectangle

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



40.6277, 0.3305, 0.2107



40.6277, 0.5046, 0.3100



40.6277, 0.2654, 0.5096



40.6277, 0.1500, 0.3043

Sweetspot

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



40.6296, 0.3305, 0.2107



76.4279, 0.3172, 0.2929



24.8903, 0.2155, 0.1594



15.7917, 0.3178, 0.2881



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.



40.6296, 0.3305, 0.2107



35.1432, 0.3345, 0.1936



37.3192, 0.4028, 0.2711



18.2689, 0.3153, 0.3078



14.1308, 0.3464, 0.1682



1.3842, 0.3431, 0.1664

Inverse Universe

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



40.6296, 0.3305, 0.2107



35.1432, 0.3345, 0.1936



79.4156, 0.2688, 0.3997



18.2689, 0.3153, 0.3078



14.1308, 0.3464, 0.1682



1.3842, 0.3431, 0.1664

Previews

White Background



This preview shows how the Yxy color 40.6277, 0.3305, 0.2107 looks on a white background.

Color Contrast Check

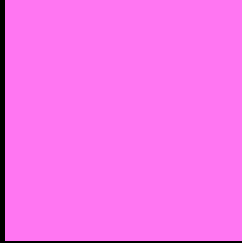
Large Text (above 18pt) WCAG AA × Fail

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 40.6277, 0.3305, 0.2107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

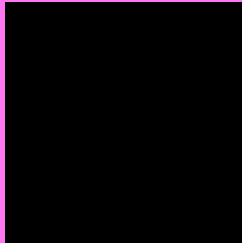
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.6277, 0.3305, 0.2107

Background



This preview shows how black text looks on a background with the Yxy color 40.6277, 0.3305, 0.2107.



This preview shows how white text looks on a background with the Yxy color 40.6277, 0.3305, 0.2107.

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

40.6277, 0.3305, 0.2107

Protanopia

41.1714, 0.2333, 0.2231

Deuteranopia

40.9345, 0.2527, 0.2472



Tritanopia

40.5172, 0.4119, 0.3184

Trichromacy



Original Color

40.6277, 0.3305, 0.2107



Protanomaly

38.6599, 0.2614, 0.2130



Deuteranomaly

38.6876, 0.2766, 0.2275



Tritanomaly

40.1922, 0.3816, 0.2751

Monochromacy



Original Color

40.6277, 0.3305, 0.2107



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

39.5562, 0.3200, 0.2739

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6277, 0.3305, 0.2107 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, 118, 242)` looks like.

```
.text, #text, p{  
    color:rgb(255, 118, 242)  
}
```

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, 118, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 118, 242) }
```

Border

The CSS property to change the border of an element to Yxy 40.6277, 0.3305, 0.2107 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, 118, 242) }
```

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

```
.border{ border-color:rgb(255, 118, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 118, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 118, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 118, 242);  
box-shadow:4px 4px 4px 4px rgb(255, 118,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6277, 0.3305, 0.2107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 118, 242) }
```

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

```
.background{ background-color: rgb(255,  
118, 242) }
```

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](#).

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