

Converting Colors

Yxy(42.8697, 0.3282, 0.2022)

Have a look what the booklet for
Yxy(42.8697, 0.3282, 0.2022)
contains.

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Color

Yxy(40.7415, 0.3188, 0.1986)

Conversions

Conversions Part 1

Format	Color
Hex	FF73FF
RGB	255, 115, 255
RGB Percent	100%, 45%, 100%
CMY	0.0002, 0.5488, 0.0001
CMYK	0.00, 0.55, 0.00, 0.00
HSL	300°, 100%, 73%
HSV	300°, 55%, 100%
XYZ	65.3997, 40.7415, 99.0023
YIQ	172.8200, 38.5000, 73.2200

Conversions

Conversions Part 2

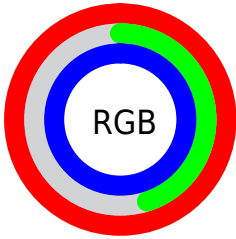
Format	Color
R _Y B	255, 115, 255
Decimal	16741375
CIE _{Lab}	69.99, 70.75, -45.49
CIE _{LCh}	70, 84.114, 327.260
Y _{xy}	40.7415, 0.3188, 0.1986
Android (android.graphics.Color)	4294931455 (0xFFFF73FF)
Y _{UV}	172.8200, 40.5147, 72.0719
Hunter-Lab	63.8291, 71.1916, -47.2816

Details

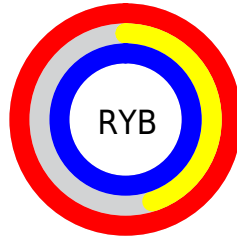
The Yxy color **40.7415, 0.3188, 0.1986** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **76.3948, 0.3044, 0.5063**, and the grayscale version is **41.4772, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3671, 0.3165, 0.2488**, and **18.4117, 0.3164, 0.1710** is the 20% darker color. If you saturate the color by 10%, you get **35.7052, 0.3196, 0.1815**, and if you desaturate by 10%, it is **47.3894, 0.3178, 0.2192**.

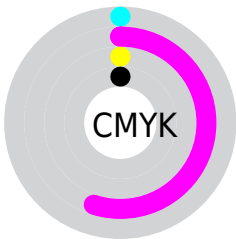
Distribution



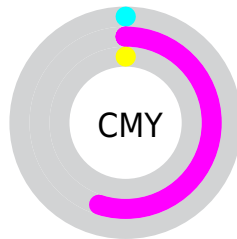
- Red (100%)
- Green (45%)
- Blue (100%)



- Red (100%)
- Yellow (45%)
- Blue (100%)



- Cyan (0%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (55%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7415, 0.3188, 0.1986 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 40.7415, 0.3188, 0.1986 by changing the saturation by 10% instead.


 40.7415, 0.3188,
0.1986


 40.7415, 0.3188,
0.1986


349.2391, 0.3187,
0.2566


 28.1172, 0.3182,
0.1862


 76.2913, 0.3193,
0.2181

 18.4140, 0.3171,
0.1713


 99.9856, 0.3193,
0.2259

 11.2476, 0.3151,
0.1533


 128.1386, 0.3193,
0.2326

 6.2336, 0.3117,
0.1313

161.1348, 0.3192,
0.2386

 2.9877, 0.3056,
0.1042

199.3586, 0.3191,
0.2439

 1.1253, 0.2941,
0.0712

243.1943, 0.3189,

 0.0000, 0.2808,

0.2486

0.0000

293.0263, 0.3188,
0.2528

■ 0.0000, 0.2217,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.7415, 0.3188,
0.1986

■ 40.7415, 0.3188,
0.1986

■ 35.7052, 0.3196,
0.1815

■ 47.3894, 0.3178,
0.2192

■ 32.1389, 0.3202,
0.1684


■ 55.7641, 0.3168,
0.2423

■ 29.8859, 0.3206,
0.1598

■ 65.9765, 0.3156,
0.2669

■ 28.7512, 0.3208,
0.1553

■ 78.1268, 0.3144,
0.2921

 28.4607, 0.3209,
0.1541

 92.3077, 0.3133,
0.3171

99.9941, 0.3127,
0.3290

99.9953, 0.3127,
0.3290

99.9966, 0.3127,
0.3290

99.9979, 0.3127,
0.3290

Harmonies

Analogous

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



40.7415, 0.2136, 0.1671



40.7415, 0.3188, 0.1986



40.7415, 0.4459, 0.2542

Triad

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



40.7415, 0.3188, 0.1986



40.7415, 0.4742, 0.4830



40.7415, 0.1321, 0.2732

Complementary

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



40.7415, 0.3188, 0.1986



76.3948, 0.3044, 0.5063

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.



40.7415, 0.1800, 0.4095



40.7415, 0.3188, 0.1986



40.7415, 0.3765, 0.5505

Square

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



40.7415, 0.3188, 0.1986



40.7415, 0.5379, 0.3999



40.7415, 0.2698, 0.5359



40.7415, 0.1246, 0.1941

Rectangle

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



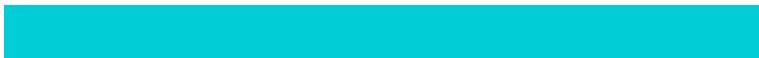
40.7415, 0.3188, 0.1986



40.7415, 0.5128, 0.2996



40.7415, 0.2698, 0.5359



40.7415, 0.1430, 0.3132

Sweetspot

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



40.7433, 0.3188, 0.1986



76.6724, 0.3146, 0.2893



23.6836, 0.2065, 0.1551



15.8507, 0.3148, 0.2841



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.



40.7433, 0.3188, 0.1986



35.2395, 0.3197, 0.1798



37.1350, 0.3890, 0.2562



18.3002, 0.3138, 0.3056



14.8749, 0.3209, 0.1541



1.4484, 0.3209, 0.1541

Inverse Universe

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



34.7722, 0.4782, 0.3295



28.7119, 0.5319, 0.3296



78.5589, 0.2746, 0.4201



17.9872, 0.3295, 0.3290



11.1089, 0.6400, 0.3300



1.0817, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 40.7415, 0.3188, 0.1986 looks on a white background.

Color Contrast Check

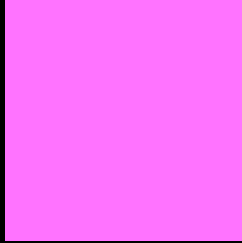
Large Text (above 18pt) WCAG AA × Fail

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 40.7415, 0.3188, 0.1986 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 40.7415, 0.3188, 0.1986

Background



This preview shows how black text looks on a background with the Yxy color 40.7415, 0.3188, 0.1986.



This preview shows how white text looks on a background with the Yxy color 40.7415, 0.3188, 0.1986.

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

40.7415, 0.3188, 0.1986

Protanopia

41.1714, 0.2333, 0.2231

Deuteranopia

41.2429, 0.2399, 0.2337



Tritanopia

40.6677, 0.4094, 0.3183

Trichromacy



Original Color

40.7415, 0.3188, 0.1986



Protanomaly

38.6600, 0.2581, 0.2075



Deuteranomaly

38.8426, 0.2636, 0.2143

Tritanomaly

39.9508, 0.3753, 0.2687

Monochromacy



Original Color

40.7415, 0.3188, 0.1986



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

39.4648, 0.3156, 0.2671

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7415, 0.3188, 0.1986 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, 115, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 115, 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, 115, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 115, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.7415, 0.3188, 0.1986 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, 115, 255) }
```

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

```
.border{ border-color:rgb(255, 115, 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, 115, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 115, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 115, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 115,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7415, 0.3188, 0.1986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 115, 255) }
```

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

```
.background{ background-color: rgb(255,  
115, 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](#).

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