

Converting Colors

$Y_{xy}(40.7634, 0.3455, 0.2426)$

Have a look what the booklet for
Yxy(40.7634, 0.3455, 0.2426)
contains.

Yxy(40.8213, 0.3461, 0.2428)	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(40.8213, 0.3461, 0.2428)

Conversions

Conversions Part 1

Format	Color
Hex	F584D7
RGB	245, 132, 215
RGB Percent	96%, 52%, 84%
CMY	0.0390, 0.4825, 0.1568
CMYK	0.00, 0.46, 0.12, 0.04
HSL	316°, 85%, 74%
HSV	316°, 46%, 96%
XYZ	58.1888, 40.8213, 69.1171
YIQ	175.2490, 40.7050, 49.7690

Conversions

Conversions Part 2

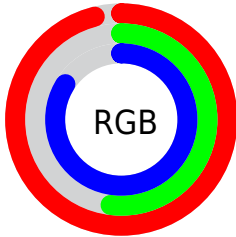
Format	Color
RYB	245, 132, 215
Decimal	16090327
CIELab	70.05, 53.65, -23.52
CIELCh	70, 58.581, 336.326
Yxy	40.8213, 0.3461, 0.2428
Android (android.graphics.Color)	4294280407 (0xFFFF584D7)
YUV	175.2490, 19.5972, 61.1716
Hunter-Lab	63.8915, 50.7576, -19.4151

Details

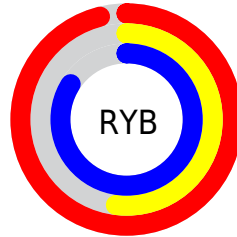
The Yxy color **40.8213, 0.3461, 0.2428** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **72.8482, 0.2912, 0.4356**, and the grayscale version is **42.8850, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4464, 0.3158, 0.2634**, and **18.5516, 0.3545, 0.2225** is the 20% darker color. If you saturate the color by 10%, you get **34.6135, 0.3561, 0.2264**, and if you desaturate by 10%, it is **48.6067, 0.3370, 0.2610**.

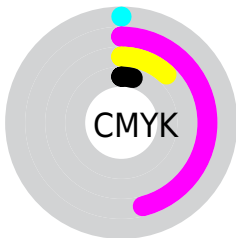
Distribution



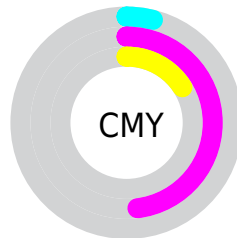
- Red (96%)
- Green (52%)
- Blue (84%)



- Red (96%)
- Yellow (52%)
- Blue (84%)



- Cyan (0%)
- Magenta (46%)
- Yellow (12%)
- Black (4%)





- Cyan (4%)
- Magenta (48%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8213, 0.3461, 0.2428 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 40.8213, 0.3461, 0.2428 by changing the saturation by 10% instead.


 40.8213, 0.3461,
0.2428


 40.8213, 0.3461,
0.2428


349.5732, 0.3306,
0.2834


 28.1795, 0.3496,
0.2334


 76.4125, 0.3407,
0.2570

 18.4610, 0.3539,
0.2218


 100.1308, 0.3387,
0.2625

 11.2815, 0.3593,
0.2071


 128.3099, 0.3368,
0.2672

 6.2565, 0.3662,
0.1880

161.3343, 0.3353,
0.2713

 3.0017, 0.3753,
0.1622

199.5885, 0.3339,
0.2749

 1.1326, 0.3873,
0.1263

243.4568, 0.3327,

 0.0056, 0.4348,

0.2780

0.0017

293.3235, 0.3316,
0.2809

■ 0.0000, 0.3712,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.8213, 0.3461,
0.2428

■ 40.8213, 0.3461,
0.2428

■ 34.6135, 0.3561,
0.2264

■ 48.6067, 0.3370,
0.2610

■ 29.8666, 0.3667,
0.2130

■ 58.0644, 0.3290,
0.2801

■ 26.4566, 0.3778,
0.2035


■ 69.2882, 0.3220,
0.2993


■ 24.2368, 0.3888,
0.1987


■ 82.3634, 0.3160,
0.3179

 23.0244, 0.3995,
0.1988

 97.3696, 0.3108,
0.3357

 22.7164, 0.4036,
0.1997

 98.1020, 0.3071,
0.3299

 98.1620, 0.3066,
0.3290

Harmonies

Analogous

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



40.8213, 0.2624, 0.2111



40.8213, 0.3461, 0.2428



40.8213, 0.4298, 0.2920

Triad

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



40.8213, 0.3461, 0.2428



40.8213, 0.4202, 0.4660



40.8213, 0.1718, 0.2719

Complementary

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



40.8213, 0.3461, 0.2428



72.8482, 0.2912, 0.4356

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.



40.8213, 0.2029, 0.3563



40.8213, 0.3461, 0.2428



40.8213, 0.3448, 0.4871

Square

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



40.8213, 0.3461, 0.2428



40.8213, 0.4711, 0.4122



40.8213, 0.2651, 0.4457



40.8213, 0.1724, 0.2208

Rectangle

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



40.8213, 0.3461, 0.2428



40.8213, 0.4674, 0.3306



40.8213, 0.2651, 0.4457



40.8213, 0.1785, 0.2969

Sweetspot

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



40.8232, 0.3461, 0.2428



78.7041, 0.3206, 0.3033



30.5878, 0.2453, 0.1910



16.2214, 0.3220, 0.2992



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.



40.8232, 0.3461, 0.2428



38.5137, 0.3550, 0.2280



38.4622, 0.4060, 0.2987



16.6888, 0.3179, 0.3118



12.2559, 0.4019, 0.1988



1.0941, 0.3894, 0.1919

Inverse Universe

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



40.8232, 0.3461, 0.2428



38.5137, 0.3550, 0.2280



75.2380, 0.2641, 0.3634



16.6888, 0.3179, 0.3118



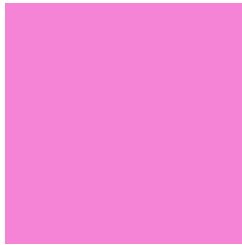
12.2559, 0.4019, 0.1988



1.0941, 0.3894, 0.1919

Previews

White Background



This preview shows how the Yxy color 40.8213, 0.3461, 0.2428 looks on a white background.

Color Contrast Check

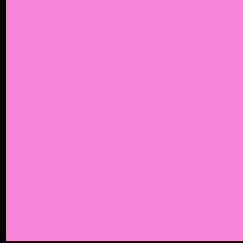
Large Text (above 18pt) WCAG AA × Fail

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 40.8213, 0.3461, 0.2428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

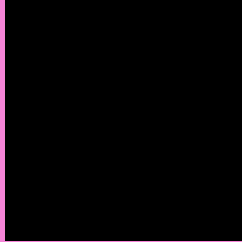
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.8213, 0.3461, 0.2428

Background



This preview shows how black text looks on a background with the Yxy color 40.8213, 0.3461, 0.2428.

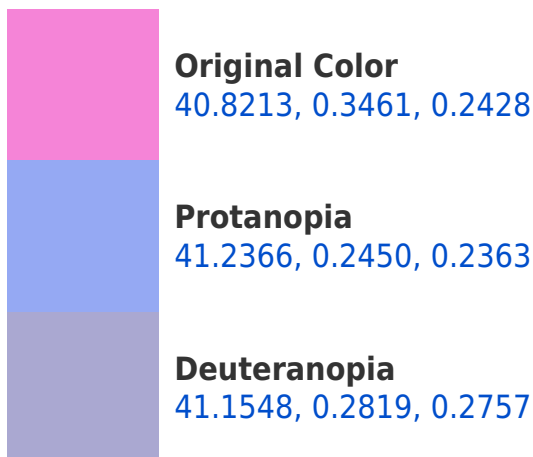


This preview shows how white text looks on a background with the Yxy color 40.8213, 0.3461, 0.2428.

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





Tritanopia

40.7945, 0.3999, 0.3180

Trichromacy



Original Color

40.8213, 0.3461, 0.2428



Protanomaly

39.8505, 0.2751, 0.2364



Deuteranomaly

40.0162, 0.3031, 0.2608



Tritanomaly

40.6313, 0.3805, 0.2885

Monochromacy



Original Color

40.8213, 0.3461, 0.2428



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

40.7933, 0.3239, 0.2904

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8213, 0.3461, 0.2428 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(245, 132, 215)` looks like.

```
.text, #text, p{  
    color:rgb(245, 132, 215)  
}
```

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(245, 132, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 132, 215) }
```

Border

The CSS property to change the border of an element to Yxy 40.8213, 0.3461, 0.2428 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(245, 132, 215) }
```

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

```
.border{ border-color:rgb(245, 132, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 132, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 132, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 132, 215);  
box-shadow:4px 4px 4px 4px rgb(245, 132,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8213, 0.3461, 0.2428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 132, 215) }
```

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

```
.background{ background-color: rgb(245,  
132, 215) }
```

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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