

Converting Colors

Yxy(79.9131, 0.4618, 0.2669)

Have a look what the booklet for
Yxy(79.9131, 0.4618, 0.2669)
contains.

Yxy(40.7805, 0.3437, 0.2253)	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(40.7805, 0.3437, 0.2253)

Conversions

Conversions Part 1

Format	Color
Hex	FF7AE4
RGB	255, 122, 228
RGB Percent	100%, 48%, 89%
CMY	0.0000, 0.5216, 0.1058
CMYK	0.00, 0.52, 0.11, 0.00
HSL	312°, 100%, 74%
HSV	312°, 52%, 100%
XYZ	62.2115, 40.7805, 78.0133
YIQ	173.8510, 45.2420, 61.1620

Conversions

Conversions Part 2

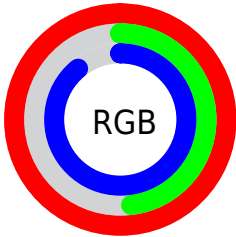
Format	Color
R_{YB}	255, 122, 228
Decimal	16743140
CIE _{Lab}	70.02, 63.34, -30.65
CIE _{LCh}	70, 70.367, 334.178
Yxy	40.7805, 0.3437, 0.2253
Android (android.graphics.Color)	4294933220 (0xFFFF7AE4)
YUV	173.8510, 26.6955, 71.1677
Hunter-Lab	63.8596, 62.1390, -27.7292

Details

The Yxy color $40.7805, 0.3437, 0.2253$ is a light color, and the websafe version is hex FF66CC . A complement of this color would be $77.8250, 0.2931, 0.4636$, and the grayscale version is $42.0867, 0.3127, 0.3290$.

A 20% lighter version of the original color is $60.7202, 0.3162, 0.2546$, and $18.4949, 0.3508, 0.2021$ is the 20% darker color. If you saturate the color by 10%, you get $35.0348, 0.3515, 0.2096$, and if you desaturate by 10%, it is $48.1735, 0.3363, 0.2437$.

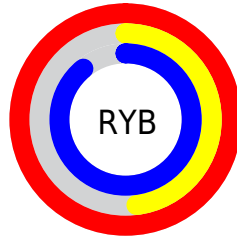
Distribution



Red (100%)

Green (48%)

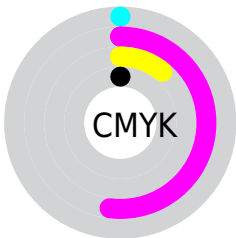
Blue (89%)



Red (100%)

Yellow (48%)

Blue (89%)

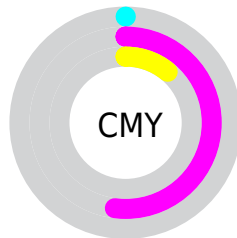


Cyan (0%)

Magenta (52%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (52%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7805, 0.3437, 0.2253 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 40.7805, 0.3437, 0.2253 by changing the saturation by 10% instead.


 40.7805, 0.3437,
0.2253


 40.7805, 0.3437,
0.2253


349.4024, 0.3301,
0.2731

 28.1476, 0.3466,
0.2146


 76.3506, 0.3392,
0.2417

 18.4370, 0.3499,
0.2015


 100.0565, 0.3374,
0.2482

 11.2642, 0.3540,
0.1852


 128.2223, 0.3358,
0.2537

 6.2448, 0.3588,
0.1644

161.2323, 0.3344,
0.2586

 2.9945, 0.3644,
0.1374

199.4710, 0.3331,
0.2629

 1.1289, 0.3703,
0.1017

243.3226, 0.3320,

 0.0024, 0.3956,

0.2667

0.0005

293.1716, 0.3310,
0.2700

0.0000, 0.3455,
0.0000

0.0000, 0.0000,
0.0000

40.7805, 0.3437,
0.2253

40.7805, 0.3437,
0.2253

35.0348, 0.3515,
0.2096

48.1735, 0.3363,
0.2437

30.8104, 0.3596,
0.1975


57.3365, 0.3296,
0.2637


27.9538, 0.3677,
0.1898

68.3744, 0.3235,
0.2843

26.2819, 0.3754,
0.1869

81.3852, 0.3182,
0.3049

 25.5860, 0.3813,
0.1874

 96.4602, 0.3136,
0.3248

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.



40.7805, 0.2464, 0.1913



40.7805, 0.3437, 0.2253



40.7805, 0.4468, 0.2794

Triad

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



40.7805, 0.3437, 0.2253



40.7805, 0.4402, 0.4829



40.7805, 0.1506, 0.2644

Complementary

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



40.7805, 0.3437, 0.2253



77.8250, 0.2931, 0.4636

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.



40.7805, 0.1867, 0.3687



40.7805, 0.3437, 0.2253



40.7805, 0.3527, 0.5203

Square

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



40.7805, 0.3437, 0.2253



40.7805, 0.5003, 0.4148



40.7805, 0.2598, 0.4795



40.7805, 0.1498, 0.2042

Rectangle

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



40.7805, 0.3437, 0.2253



40.7805, 0.4944, 0.3222



40.7805, 0.2598, 0.4795



40.7805, 0.1584, 0.2948

Sweetspot

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



40.7787, 0.3437, 0.2253



76.1530, 0.3202, 0.2970



27.4865, 0.2293, 0.1689



15.7256, 0.3212, 0.2928



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.



40.7787, 0.3437, 0.2253



34.6247, 0.3522, 0.2084



37.7803, 0.4175, 0.2883



18.2335, 0.3169, 0.3103



13.3914, 0.3801, 0.1868



1.3191, 0.3720, 0.1823

Inverse Universe

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



40.7787, 0.3437, 0.2253



34.6247, 0.3522, 0.2084



80.5677, 0.2625, 0.3772



18.2335, 0.3169, 0.3103



13.3914, 0.3801, 0.1868



1.3191, 0.3720, 0.1823

Previews

White Background



This preview shows how the Yxy color 40.7805, 0.3437, 0.2253 looks on a white background.

Color Contrast Check

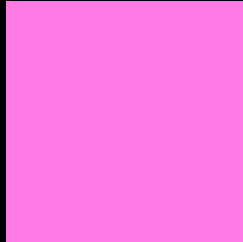
Large Text (above 18pt) WCAG AA × Fail

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 40.7805, 0.3437, 0.2253 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 40.7805, 0.3437, 0.2253

Background



This preview shows how black text looks on a background with the Yxy color 40.7805, 0.3437, 0.2253.



This preview shows how white text looks on a background with the Yxy color 40.7805, 0.3437, 0.2253.

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

40.7805, 0.3437, 0.2253

Protanopia

41.3467, 0.2345, 0.2234

Deuteranopia

40.8540, 0.2680, 0.2618



Tritanopia

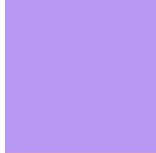
40.5510, 0.4154, 0.3185

Trichromacy



Original Color

40.7805, 0.3437, 0.2253



Protanomaly

39.1163, 0.2657, 0.2200



Deuteranomaly

39.1967, 0.2924, 0.2431



Tritanomaly

40.1291, 0.3892, 0.2815

Monochromacy



Original Color

40.7805, 0.3437, 0.2253



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

40.0342, 0.3235, 0.2810

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7805, 0.3437, 0.2253 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, 122, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 122, 228)  
}
```

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, 122, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 122, 228) }
```

Border

The CSS property to change the border of an element to Yxy 40.7805, 0.3437, 0.2253 is called "border". The border property can be set on classes, ids or directly on the HTML element.

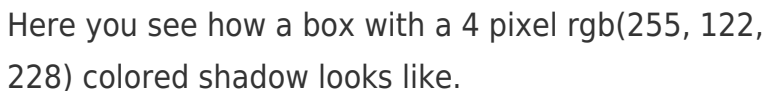
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 122, 228) }
```

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

```
.border{ border-color:rgb(255, 122, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 122, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 122, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 122, 228); box-shadow:4px 4px 4px 4px rgb(255, 122, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7805, 0.3437, 0.2253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 122, 228) }
```

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

```
.background{ background-color: rgb(255,  
122, 228) }
```

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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