

Converting Colors

Yxy(40.8526, 0.3694, 0.2531)

Have a look what the booklet for
Yxy(40.8526, 0.3694, 0.2531)
contains.

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Color

Yxy(40.7505, 0.3689, 0.2522)

Conversions

Conversions Part 1

Format	Color
Hex	FF7FCB
RGB	255, 127, 203
RGB Percent	100%, 50%, 80%
CMY	0.0000, 0.5019, 0.2039
CMYK	0.00, 0.50, 0.20, 0.00
HSL	324°, 100%, 75%
HSV	324°, 50%, 100%
XYZ	59.6069, 40.7505, 61.2227
YIQ	173.9360, 51.8920, 50.7720

Conversions

Conversions Part 2

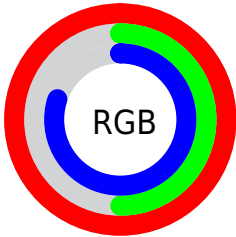
Format	Color
RYB	255, 127, 203
Decimal	16744395
CIELab	70.00, 57.29, -16.80
CIElCh	70, 59.698, 343.658
Yxy	40.7505, 0.3689, 0.2522
Android (android.graphics.Color)	4294934475 (0xFFFF7FCB)
YUV	173.9360, 14.3286, 71.0931
Hunter-Lab	63.8361, 54.9609, -12.1774

Details

The Yxy color **40.7505, 0.3689, 0.2522** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **79.2842, 0.2814, 0.4237**, and the grayscale version is **42.2000, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3470, 0.3160, 0.2585**, and **18.5404, 0.3840, 0.2334** is the 20% darker color. If you saturate the color by 10%, you get **34.5003, 0.3856, 0.2396**, and if you desaturate by 10%, it is **48.7041, 0.3540, 0.2669**.

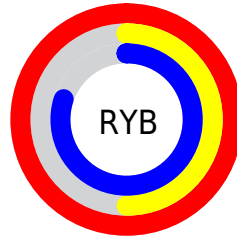
Distribution



Red (100%)

Green (50%)

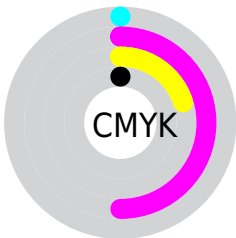
Blue (80%)



Red (100%)

Yellow (50%)

Blue (80%)

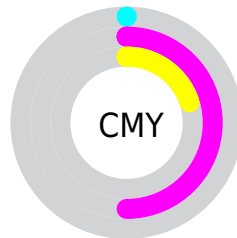


Cyan (0%)

Magenta (50%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (50%)


Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.7505, 0.3689, 0.2522 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 40.7505, 0.3689, 0.2522 by changing the saturation by 10% instead.


 40.7505, 0.3689,
0.2522


 40.7505, 0.3689,
0.2522


349.2768, 0.3415,
0.2888


 28.1242, 0.3755,
0.2436


 76.3050, 0.3591,
0.2651

 18.4193, 0.3838,
0.2329


 100.0020, 0.3554,
0.2701

 11.2514, 0.3947,
0.2192


 128.1580, 0.3522,
0.2743

 6.2362, 0.4093,
0.2011

161.1573, 0.3495,
0.2780

 2.9892, 0.4300,
0.1763

199.3845, 0.3471,
0.2812

 1.1261, 0.4614,
0.1407

243.2239, 0.3450,

 0.0001, 0.5625,

0.2840

0.0000

293.0598, 0.3432,
0.2866

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.7505, 0.3689,
0.2522

■ 40.7505, 0.3689,
0.2522

■ 34.5003, 0.3856,
0.2396

■ 48.7041, 0.3540,
0.2669

■ 29.8186, 0.4038,
0.2302

■ 58.4705, 0.3411,
0.2826

■ 26.5598, 0.4228,
0.2253

■ 70.1572, 0.3300,
0.2984

■ 24.5478, 0.4418,
0.2256

■ 83.8611, 0.3207,
0.3139

■ 23.5062, 0.4599,
0.2307

99.6730, 0.3129,
0.3287

99.9989, 0.3127,
0.3290

Harmonies

Analogous

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



40.7505, 0.2805, 0.2151



40.7505, 0.3689, 0.2522



40.7505, 0.4486, 0.3052

Triad

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



40.7505, 0.3689, 0.2522



40.7505, 0.4045, 0.4781



40.7505, 0.1669, 0.2546

Complementary

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



40.7505, 0.3689, 0.2522



79.2842, 0.2814, 0.4237

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.



40.7505, 0.1901, 0.3333



40.7505, 0.3689, 0.2522



40.7505, 0.3248, 0.4866

Square

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



40.7505, 0.3689, 0.2522



40.7505, 0.4645, 0.4279



40.7505, 0.2462, 0.4285



40.7505, 0.1749, 0.2115

Rectangle

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



40.7505, 0.3689, 0.2522



40.7505, 0.4785, 0.3452



40.7505, 0.2462, 0.4285



40.7505, 0.1710, 0.2770

Sweetspot

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



40.7525, 0.3689, 0.2522



77.0162, 0.3249, 0.3066



31.8907, 0.2526, 0.1829



15.8744, 0.3269, 0.3033



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.



40.7525, 0.3689, 0.2522



34.6059, 0.3853, 0.2398



38.3286, 0.4419, 0.3163



18.1681, 0.3201, 0.3150



12.3135, 0.4570, 0.2291



1.2206, 0.4372, 0.2182

Inverse Universe

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



40.7525, 0.3689, 0.2522



34.6059, 0.3853, 0.2398



82.4518, 0.2525, 0.3437



18.1681, 0.3201, 0.3150



12.3135, 0.4570, 0.2291



1.2206, 0.4372, 0.2182

Previews

White Background



This preview shows how the Yxy color 40.7505, 0.3689, 0.2522 looks on a white background.

Color Contrast Check

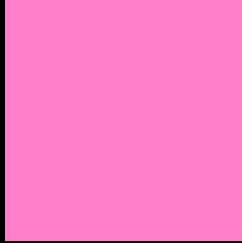
Large Text (above 18pt) WCAG AA × Fail

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 40.7505, 0.3689, 0.2522 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 40.7505, 0.3689, 0.2522

Background



This preview shows how black text looks on a background with the Yxy color 40.7505, 0.3689, 0.2522.



This preview shows how white text looks on a background with the Yxy color 40.7505, 0.3689, 0.2522.

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

40.7505, 0.3689, 0.2522

Protanopia

41.0314, 0.2534, 0.2474

Deuteranopia

40.8531, 0.2968, 0.2909



Tritanopia

40.6709, 0.4212, 0.3176

Trichromacy



Original Color

40.7505, 0.3689, 0.2522



Protanomaly

39.3323, 0.2881, 0.2465



Deuteranomaly

39.5591, 0.3211, 0.2719



Tritanomaly

40.6102, 0.4020, 0.2924

Monochromacy



Original Color

40.7505, 0.3689, 0.2522



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

40.3132, 0.3316, 0.2942

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7505, 0.3689, 0.2522 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, 127, 203)` looks like.

```
.text, #text, p{  
    color:rgb(255, 127, 203)  
}
```

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, 127, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 127, 203) }
```

Border

The CSS property to change the border of an element to Yxy 40.7505, 0.3689, 0.2522 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, 127, 203) }
```

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

```
.border{ border-color:rgb(255, 127, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 127, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 127, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 127, 203);  
box-shadow:4px 4px 4px 4px rgb(255, 127,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7505, 0.3689, 0.2522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 127, 203) }
```

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

```
.background{ background-color: rgb(255,  
127, 203) }
```

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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