

Converting Colors

Yxy(67.9393, 0.4203, 0.2436)

Have a look what the booklet for
Yxy(67.9393, 0.4203, 0.2436)
contains.

Yxy(40.6364, 0.3269, 0.2068)	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(40.6364, 0.3269, 0.2068)

Conversions

Conversions Part 1

Format	Color
Hex	FF75F6
RGB	255, 117, 246
RGB Percent	100%, 46%, 96%
CMY	0.0000, 0.5412, 0.0354
CMYK	0.00, 0.54, 0.04, 0.00
HSL	304°, 100%, 73%
HSV	304°, 54%, 100%
XYZ	64.2362, 40.6364, 91.6284
YIQ	172.9680, 40.8390, 69.3750

Conversions

Conversions Part 2

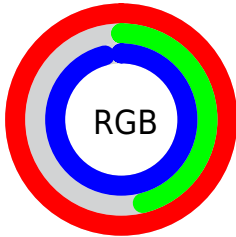
Format	Color
RYB	255, 117, 246
Decimal	16741878
CIELab	69.92, 68.44, -40.68
CIElCh	70, 79.616, 329.270
Yxy	40.6364, 0.3269, 0.2068
Android (android.graphics.Color)	4294931958 (0xFFFF75F6)
YUV	172.9680, 36.0048, 71.9421
Hunter-Lab	63.7467, 68.3139, -40.5998

Details

The Yxy color **40.6364, 0.3269, 0.2068** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **76.8092, 0.3008, 0.4931**, and the grayscale version is **41.5687, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7521, 0.3164, 0.2498**, and **18.3023, 0.3273, 0.1804** is the 20% darker color. If you saturate the color by 10%, you get **35.3791, 0.3297, 0.1900**, and if you desaturate by 10%, it is **47.5114, 0.3240, 0.2268**.

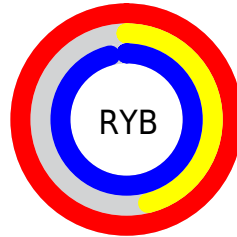
Distribution



Red (100%)

Green (46%)

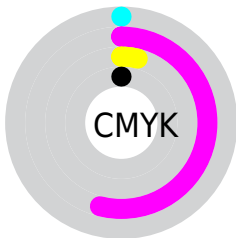
Blue (96%)



Red (100%)

Yellow (46%)

Blue (96%)

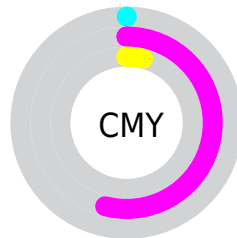


Cyan (0%)

Magenta (54%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (54%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6364, 0.3269, 0.2068 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 40.6364, 0.3269, 0.2068 by changing the saturation by 10% instead.


 40.6364, 0.3269,
0.2068


 40.6364, 0.3269,
0.2068


348.7987, 0.3224,
0.2618


 28.0351, 0.3274,
0.1948


 76.1316, 0.3258,
0.2254

 18.3521, 0.3276,
0.1804


 99.7943, 0.3252,
0.2328

 11.2031, 0.3275,
0.1628


 127.9130, 0.3247,
0.2392

 6.2036, 0.3265,
0.1410

160.8719, 0.3242,
0.2449

 2.9693, 0.3238,
0.1136

199.0555, 0.3237,
0.2498

 1.1157, 0.3169,
0.0795

242.8483, 0.3233,

 0.0000, 0.3126,

0.2542

0.0000

292.6345, 0.3228,
0.2582

■ 0.0000, 0.2538,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.6364, 0.3269,
0.2068

■ 40.6364, 0.3269,
0.2068

■ 35.3791, 0.3297,
0.1900

■ 47.5114, 0.3240,
0.2268

■ 31.6064, 0.3325,
0.1772

■ 56.1255, 0.3211,
0.2490


■ 29.1612, 0.3350,
0.1687

■ 66.5866, 0.3184,
0.2724

■ 27.8520, 0.3372,
0.1646

■ 78.9941, 0.3159,
0.2962

 27.4524, 0.3384,
0.1638

 93.4405, 0.3136,
0.3196

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.



40.6364, 0.2237, 0.1744



40.6364, 0.3269, 0.2068



40.6364, 0.4467, 0.2621

Triad

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



40.6364, 0.3269, 0.2068



40.6364, 0.4638, 0.4840



40.6364, 0.1377, 0.2701

Complementary

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



40.6364, 0.3269, 0.2068



76.8092, 0.3008, 0.4931

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.



40.6364, 0.1820, 0.3958



40.6364, 0.3269, 0.2068



40.6364, 0.3693, 0.5422

Square

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



40.6364, 0.3269, 0.2068



40.6364, 0.5263, 0.4050



40.6364, 0.2667, 0.5180



40.6364, 0.1322, 0.1971

Rectangle

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



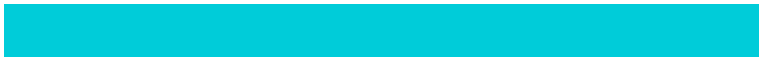
40.6364, 0.3269, 0.2068



40.6364, 0.5074, 0.3067



40.6364, 0.2667, 0.5180



40.6364, 0.1477, 0.3069

Sweetspot

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



40.6358, 0.3269, 0.2068



76.5038, 0.3164, 0.2917



24.2212, 0.2117, 0.1568



15.8100, 0.3169, 0.2868



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.



40.6358, 0.3269, 0.2068



34.9880, 0.3300, 0.1887



37.2421, 0.3984, 0.2661



18.2787, 0.3148, 0.3071



14.3532, 0.3381, 0.1636



1.4035, 0.3359, 0.1624

Inverse Universe

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



40.6358, 0.3269, 0.2068



34.9880, 0.3300, 0.1887



79.1480, 0.2707, 0.4064



18.2787, 0.3148, 0.3071



14.3532, 0.3381, 0.1636



1.4035, 0.3359, 0.1624

Previews

White Background



This preview shows how the Yxy color 40.6364, 0.3269, 0.2068 looks on a white background.

Color Contrast Check

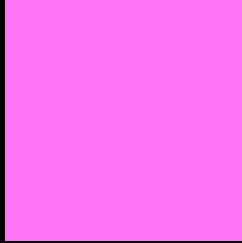
Large Text (above 18pt) WCAG AA × Fail

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 40.6364, 0.3269, 0.2068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

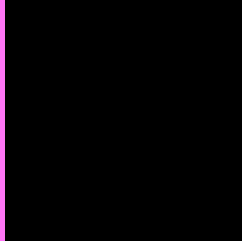
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.6364, 0.3269, 0.2068

Background



This preview shows how black text looks on a background with the Yxy color 40.6364, 0.3269, 0.2068.

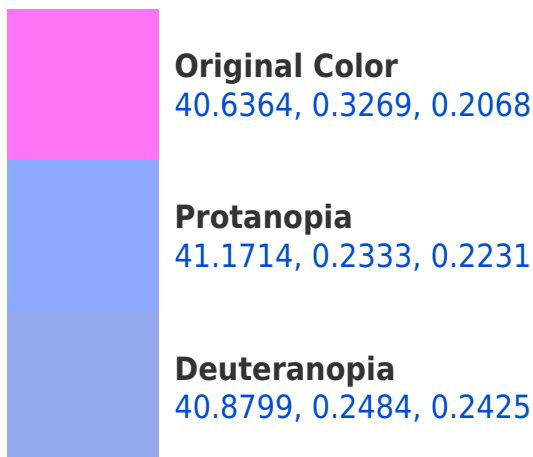


This preview shows how white text looks on a background with the Yxy color 40.6364, 0.3269, 0.2068.

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

40.5172, 0.4119, 0.3184

Trichromacy



Original Color

40.6364, 0.3269, 0.2068



Protanomaly

38.7861, 0.2602, 0.2112



Deuteranomaly

38.7953, 0.2729, 0.2235



Tritanomaly

40.0042, 0.3796, 0.2720

Monochromacy



Original Color

40.6364, 0.3269, 0.2068



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

39.6491, 0.3182, 0.2717

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6364, 0.3269, 0.2068 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, 117, 246)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 246)  
}
```

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, 117, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 246) }
```

Border

The CSS property to change the border of an element to Yxy 40.6364, 0.3269, 0.2068 is called "border". The border property can be set on classes, ids or directly on the HTML element.

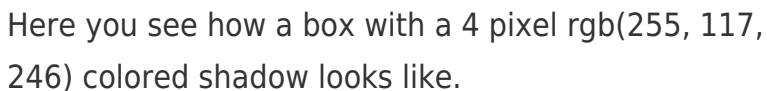
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 117, 246) }
```

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

```
.border{ border-color:rgb(255, 117, 246) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 117, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 117, 246); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 117, 246); box-shadow:4px 4px 4px 4px rgb(255, 117, 246) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6364, 0.3269, 0.2068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 117, 246) }
```

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

```
.background{ background-color: rgb(255,  
117, 246) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor