

Converting Colors

$Y_{xy}(46.7562, 0.3696, 0.2348)$

Have a look what the booklet for
Yxy(46.7562, 0.3696, 0.2348)
contains.

Yxy(41.0274, 0.3436, 0.2262)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.0274, 0.3436, 0.2262)

Conversions

Conversions Part 1

Format	Color
Hex	FF7BE4
RGB	255, 123, 228
RGB Percent	100%, 48%, 89%
CMY	0.0001, 0.5176, 0.1059
CMYK	0.00, 0.52, 0.11, 0.00
HSL	312°, 100%, 74%
HSV	312°, 52%, 100%
XYZ	62.3210, 41.0274, 78.0282
YIQ	174.4380, 44.9670, 60.6390

Conversions

Conversions Part 2

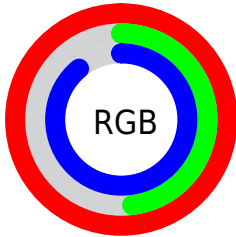
Format	Color
R_{YB}	255, 123, 228
Decimal	16743396
CIE _{Lab}	70.20, 62.85, -30.36
CIE _{LCh}	70, 69.799, 334.214
Yxy	41.0274, 0.3436, 0.2262
Android (android.graphics.Color)	4294933476 (0xFFFF7BE4)
YUV	174.4380, 26.4061, 70.6529
Hunter-Lab	64.0526, 61.5823, -27.3896

Details

The Yxy color **41.0274, 0.3436, 0.2262** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **77.9244, 0.2931, 0.4620**, and the grayscale version is **42.4118, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.1225, 0.3162, 0.2556**, and **18.6107, 0.3507, 0.2030** is the 20% darker color. If you saturate the color by 10%, you get **35.2191, 0.3515, 0.2104**, and if you desaturate by 10%, it is **48.4954, 0.3362, 0.2446**.

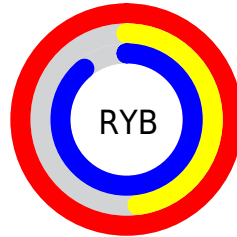
Distribution



Red (100%)

Green (48%)

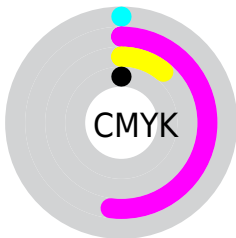
Blue (89%)



Red (100%)

Yellow (48%)

Blue (89%)

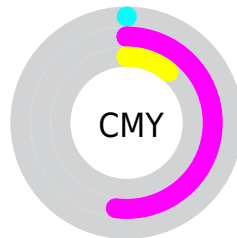


Cyan (0%)

Magenta (52%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (52%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.0274, 0.3436, 0.2262 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 41.0274, 0.3436, 0.2262 by changing the saturation by 10% instead.


 41.0274, 0.3436,
0.2262


 41.0274, 0.3436,
0.2262


350.4351, 0.3300,
0.2736


 28.3405, 0.3465,
0.2156


 76.7255, 0.3391,
0.2425

 18.5825, 0.3498,
0.2026


 100.5055, 0.3373,
0.2489

 11.3690, 0.3539,
0.1864


 128.7519, 0.3357,
0.2544

 6.3156, 0.3587,
0.1657

161.8492, 0.3343,
0.2592

 3.0379, 0.3644,
0.1389

200.1818, 0.3330,
0.2635

 1.1516, 0.3705,
0.1033

244.1341, 0.3319,

 0.0216, 0.3952,

0.2672

0.0048

294.0904, 0.3309,
0.2706

0.0000, 0.3481,
0.0000

0.0000, 0.0000,
0.0000

41.0274, 0.3436,
0.2262

41.0274, 0.3436,
0.2262

35.2191, 0.3515,
0.2104

48.4954, 0.3362,
0.2446

30.9340, 0.3596,
0.1981

57.7342, 0.3294,
0.2646

28.0234, 0.3678,
0.1903

68.8518, 0.3234,
0.2852

26.3058, 0.3757,
0.1872

81.9460, 0.3180,
0.3058

■ 25.5607, 0.3819,
0.1877

■ 97.1080, 0.3135,
0.3256

99.9969, 0.3127,
0.3290

Harmonies

Analogous

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



41.0274, 0.2471, 0.1924



41.0274, 0.3436, 0.2262



41.0274, 0.4455, 0.2800

Triad

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



41.0274, 0.3436, 0.2262



41.0274, 0.4393, 0.4819



41.0274, 0.1518, 0.2651

Complementary

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



41.0274, 0.3436, 0.2262



77.9244, 0.2931, 0.4620

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.



41.0274, 0.1878, 0.3682



41.0274, 0.3436, 0.2262



41.0274, 0.3525, 0.5184

Square

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



41.0274, 0.3436, 0.2262



41.0274, 0.4987, 0.4145



41.0274, 0.2604, 0.4776



41.0274, 0.1510, 0.2052

Rectangle

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



41.0274, 0.3436, 0.2262



41.0274, 0.4927, 0.3225



41.0274, 0.2604, 0.4776



41.0274, 0.1596, 0.2952

Sweetspot

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



41.0293, 0.3436, 0.2262



76.1486, 0.3202, 0.2971



27.8189, 0.2301, 0.1702



15.7245, 0.3213, 0.2929



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.



41.0293, 0.3436, 0.2262



35.1005, 0.3517, 0.2100



38.0586, 0.4163, 0.2886



18.2330, 0.3169, 0.3103



13.3802, 0.3807, 0.1871



1.3181, 0.3725, 0.1826

Inverse Universe

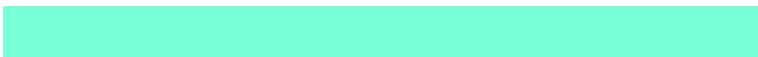
The Inverse Universe completely reimagines the original color for something new.



41.0293, 0.3436, 0.2262



35.1005, 0.3517, 0.2100



80.6487, 0.2628, 0.3768



18.2330, 0.3169, 0.3103



13.3802, 0.3807, 0.1871



1.3181, 0.3725, 0.1826

Previews

White Background



This preview shows how the Yxy color 41.0274, 0.3436, 0.2262 looks on a white background.

Color Contrast Check

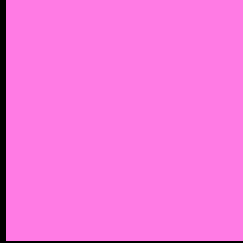
Large Text (above 18pt) WCAG AA × Fail

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 41.0274, 0.3436, 0.2262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

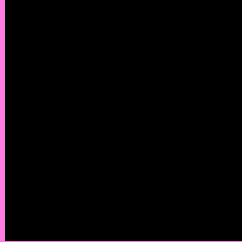
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.0274, 0.3436, 0.2262

Background



This preview shows how black text looks on a background with the Yxy color 41.0274, 0.3436, 0.2262.



This preview shows how white text looks on a background with the Yxy color 41.0274, 0.3436, 0.2262.

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

41.0274, 0.3436, 0.2262

Protanopia

41.4356, 0.2351, 0.2236

Deuteranopia

41.3298, 0.2689, 0.2632



Tritanopia

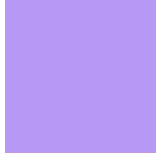
41.0583, 0.4148, 0.3185

Trichromacy



Original Color

41.0274, 0.3436, 0.2262



Protanomaly

39.2394, 0.2665, 0.2202



Deuteranomaly

39.5199, 0.2925, 0.2443



Tritanomaly

40.6289, 0.3888, 0.2817

Monochromacy



Original Color

41.0274, 0.3436, 0.2262



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 41.0274, 0.3436, 0.2262 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, 123, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 123, 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, 123, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 123, 228) }
```

Border

The CSS property to change the border of an element to Yxy 41.0274, 0.3436, 0.2262 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, 123, 228) }
```

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

```
.border{ border-color:rgb(255, 123, 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, 123, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 123, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 123, 228); box-shadow:4px 4px 4px 4px rgb(255, 123, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 41.0274, 0.3436, 0.2262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 123, 228) }
```

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

```
.background{ background-color: rgb(255,  
123, 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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