

Converting Colors

$Y_{xy}(38.0982, 0.3361, 0.2531)$

Have a look what the booklet for
Yxy(38.0982, 0.3361, 0.2531)
contains.

Yxy(38.0982, 0.3361, 0.2531)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.0982, 0.3361, 0.2531)

Conversions

Conversions Part 1

Format	Color
Hex	E089CC
RGB	224, 137, 204
RGB Percent	88%, 54%, 80%
CMY	0.1215, 0.4628, 0.1999
CMYK	0.00, 0.39, 0.09, 0.12
HSL	314°, 58%, 71%
HSV	314°, 39%, 88%
XYZ	50.5919, 38.0982, 61.8362
YIQ	170.6510, 30.3450, 39.2810

Conversions

Conversions Part 2

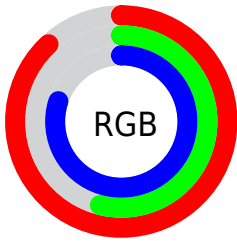
Format	Color
RYB	224, 137, 204
Decimal	14715340
CIELab	68.09, 42.74, -20.64
CIElCh	68, 47.465, 334.229
Yxy	38.0982, 0.3361, 0.2531
Android (android.graphics.Color)	4292905420 (0xFFE089CC)
YUV	170.6510, 16.4411, 46.7871
Hunter-Lab	61.7237, 38.2910, -16.1914

Details

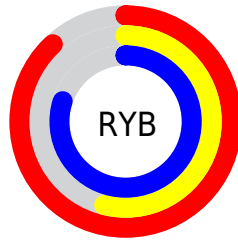
The Yxy color **38.0982, 0.3361, 0.2531** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **61.0705, 0.2959, 0.4196**, and the grayscale version is **40.4464, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.1793, 0.3156, 0.2673**, and **16.9145, 0.3409, 0.2336** is the 20% darker color. If you saturate the color by 10%, you get **32.1364, 0.3441, 0.2347**, and if you desaturate by 10%, it is **45.3936, 0.3289, 0.2727**.

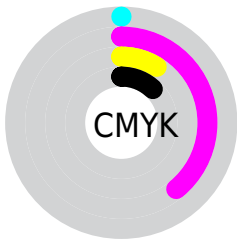
Distribution



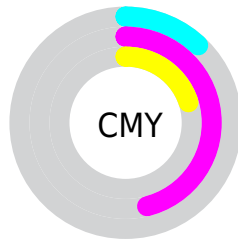
- Red (88%)
- Green (54%)
- Blue (80%)



- Red (88%)
- Yellow (54%)
- Blue (80%)



- Cyan (0%)
- Magenta (39%)
- Yellow (9%)
- Black (12%)





- Cyan (12%)
- Magenta (46%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0982, 0.3361, 0.2531 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 38.0982, 0.3361, 0.2531 by changing the saturation by 10% instead.

 38.0982, 0.3361,
0.2531


 38.0982, 0.3361,
0.2531


338.0410, 0.3252,
0.2897

 26.0589, 0.3386,
0.2444


 72.2586, 0.3323,
0.2661

 16.8677, 0.3417,
0.2335

 95.1486, 0.3308,
0.2711

 10.1402, 0.3455,
0.2194


 122.4242, 0.3296,
0.2753

 5.4920, 0.3504,
0.2006

154.4698, 0.3284,
0.2790

 2.5387, 0.3568,
0.1745

191.6700, 0.3275,
0.2822

 0.8960, 0.3650,
0.1365

234.4089, 0.3266,


 0.0000, 0.4056,


0.2850

0.0000

283.0712, 0.3259,
0.2875


 0.0000, 0.0000,
0.0000


 38.0982, 0.3361,
0.2531

 38.0982, 0.3361,
0.2531


 32.1364, 0.3441,
0.2347


 45.3936, 0.3289,
0.2727

 27.4205, 0.3528,
0.2184


 54.0930, 0.3225,
0.2927


 23.8605, 0.3619,
0.2053


 64.2676, 0.3170,
0.3123


 21.3520, 0.3712,
0.1963

 75.9828, 0.3122,
0.3311

 19.7716, 0.3803,
0.1920

 89.2996, 0.3082,
0.3489

 18.9298, 0.3891,
0.1921

 93.3618, 0.3051,
0.3496

 18.8509, 0.3901,
0.1923

 93.6632, 0.3022,
0.3442

 93.9733, 0.2994,
0.3389

 94.2922, 0.2966,
0.3337

Harmonies

Analogous

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



38.0982, 0.2667, 0.2267



38.0982, 0.3361, 0.2531



38.0982, 0.4057, 0.2954

Triad

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



38.0982, 0.3361, 0.2531



38.0982, 0.4092, 0.4433



38.0982, 0.1936, 0.2872

Complementary

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



38.0982, 0.3361, 0.2531



61.0705, 0.2959, 0.4196

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.



38.0982, 0.2235, 0.3579



38.0982, 0.3361, 0.2531



38.0982, 0.3469, 0.4592

Square

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



38.0982, 0.3361, 0.2531



38.0982, 0.4482, 0.3994



38.0982, 0.2789, 0.4275



38.0982, 0.1916, 0.2403

Rectangle

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



38.0982, 0.3361, 0.2531



38.0982, 0.4386, 0.3290



38.0982, 0.2789, 0.4275



38.0982, 0.2004, 0.3088

Sweetspot

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



38.0999, 0.3361, 0.2531



81.5623, 0.3187, 0.3060



30.3241, 0.2561, 0.2152



17.0671, 0.3194, 0.3034



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.



38.0999, 0.3361, 0.2531



44.2027, 0.3429, 0.2373



36.3347, 0.3813, 0.3000



13.8790, 0.3173, 0.3111



10.9892, 0.3888, 0.1916



0.7750, 0.3762, 0.1846

Inverse Universe

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



38.0999, 0.3361, 0.2531



44.2027, 0.3429, 0.2373



62.7774, 0.2720, 0.3608



13.8790, 0.3173, 0.3111



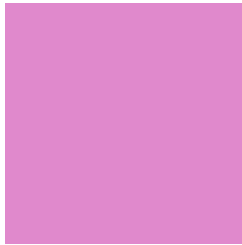
10.9892, 0.3888, 0.1916



0.7750, 0.3762, 0.1846

Previews

White Background



This preview shows how the Yxy color 38.0982, 0.3361, 0.2531 looks on a white background.

Color Contrast Check

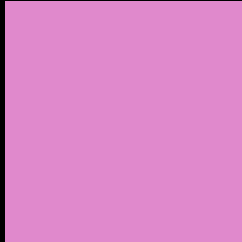
Large Text (above 18pt) WCAG AA × Fail

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 38.0982, 0.3361, 0.2531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

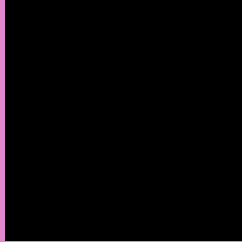
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.0982, 0.3361, 0.2531

Background



This preview shows how black text looks on a background with the Yxy color 38.0982, 0.3361, 0.2531.



This preview shows how white text looks on a background with the Yxy color 38.0982, 0.3361, 0.2531.

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

38.0982, 0.3361, 0.2531

Protanopia

38.4168, 0.2559, 0.2501

Deuteranopia

38.4249, 0.2858, 0.2806



Tritanopia

37.8975, 0.3773, 0.3158

Trichromacy



Original Color

38.0982, 0.3361, 0.2531



Protanomaly

37.4681, 0.2808, 0.2492



Deuteranomaly

37.8930, 0.3025, 0.2691



Tritanomaly

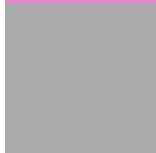
37.9166, 0.3620, 0.2922

Monochromacy



Original Color

38.0982, 0.3361, 0.2531



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

39.1623, 0.3208, 0.2979

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0982, 0.3361, 0.2531 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(224, 137, 204)` looks like.

```
.text, #text, p{  
    color:rgb(224, 137, 204)  
}
```

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(224, 137, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 137, 204) }
```

Border

The CSS property to change the border of an element to Yxy 38.0982, 0.3361, 0.2531 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(224, 137, 204) }
```

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

```
.border{ border-color:rgb(224, 137, 204) }
```

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

Here you see how a box with a 4 pixel rgb(224, 137, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 137, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 137, 204);  
box-shadow:4px 4px 4px 4px rgb(224, 137,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0982, 0.3361, 0.2531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 137, 204) }
```

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

```
.background{ background-color: rgb(224,  
137, 204) }
```

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