

Converting Colors

$Y_{xy}(36.4941, 0.3468, 0.2591)$

Have a look what the booklet for
Yxy(36.4941, 0.3468, 0.2591)
contains.

Yxy(36.5174, 0.3468, 0.2592)	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(36.5174, 0.3468, 0.2592)

Conversions

Conversions Part 1

Format	Color
Hex	E085C2
RGB	224, 133, 194
RGB Percent	88%, 52%, 76%
CMY	0.1217, 0.4783, 0.2392
CMYK	0.00, 0.41, 0.13, 0.12
HSL	320°, 59%, 70%
HSV	320°, 41%, 88%
XYZ	48.8589, 36.5174, 55.5087
YIQ	167.1630, 34.6550, 38.2630

Conversions

Conversions Part 2

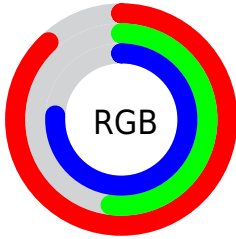
Format	Color
RYB	224, 133, 194
Decimal	14714306
CIELab	66.91, 43.15, -16.82
CIElCh	67, 46.309, 338.707
Yxy	36.5174, 0.3468, 0.2592
Android (android.graphics.Color)	4292904386 (0xFFE085C2)
YUV	167.1630, 13.2306, 49.8460
Hunter-Lab	60.4296, 38.5700, -12.1611

Details

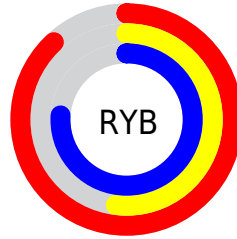
The Yxy color **36.5174, 0.3468, 0.2592** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **60.9302, 0.2901, 0.4116**, and the grayscale version is **38.6505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.1915, 0.3187, 0.2670**, and **15.9938, 0.3564, 0.2414** is the 20% darker color. If you saturate the color by 10%, you get **30.7016, 0.3586, 0.2430**, and if you desaturate by 10%, it is **43.6606, 0.3364, 0.2765**.

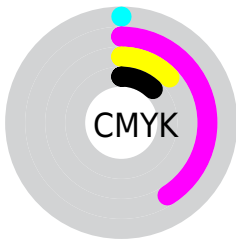
Distribution



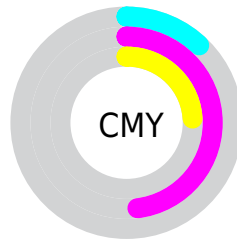
- Red (88%)
- Green (52%)
- Blue (76%)



- Red (88%)
- Yellow (52%)
- Blue (76%)



- Cyan (0%)
- Magenta (41%)
- Yellow (13%)
- Black (12%)





- Cyan (12%)
- Magenta (48%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.5174, 0.3468, 0.2592 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 36.5174, 0.3468, 0.2592 by changing the saturation by 10% instead.


 36.5174, 0.3468,
0.2592


 36.5174, 0.3468,
0.2592


331.2164, 0.3301,
0.2933


 24.8341, 0.3509,
0.2509


 69.8299, 0.3408,
0.2714

 15.9535, 0.3560,
0.2405


 92.2279, 0.3385,
0.2761

 9.4912, 0.3627,
0.2269


 118.9662, 0.3366,
0.2800

 5.0630, 0.3718,
0.2085

150.4292, 0.3349,
0.2834

 2.2842, 0.3847,
0.1825

187.0013, 0.3335,
0.2864

 0.7654, 0.4047,
0.1425

229.0670, 0.3322,


 0.0000, 0.4755,


0.2890


0.0000


277.0105, 0.3311,
0.2913


 0.0000, 0.0000,
0.0000


 36.5174, 0.3468,
0.2592

 36.5174, 0.3468,
0.2592


 30.7016, 0.3586,
0.2430

 43.6606, 0.3364,
0.2765

 26.1240, 0.3716,
0.2290


 52.2027, 0.3273,
0.2941


 22.6924, 0.3855,
0.2182


 62.2164, 0.3196,
0.3114


 20.2997, 0.4000,
0.2117

 73.7674, 0.3131,
0.3280


 18.8179, 0.4143,
0.2102

 86.9179, 0.3076,
0.3436

 18.0500, 0.4275,
0.2129

 93.5533, 0.3032,
0.3460

 93.9969, 0.2991,
0.3384

 94.4586, 0.2951,
0.3309

 94.5832, 0.2940,
0.3289

Harmonies

Analogous

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



36.5174, 0.2766, 0.2303



36.5174, 0.3468, 0.2592



36.5174, 0.4134, 0.3030

Triad

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



36.5174, 0.3468, 0.2592



36.5174, 0.4002, 0.4469



36.5174, 0.1926, 0.2790

Complementary

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



36.5174, 0.3468, 0.2592



60.9302, 0.2901, 0.4116

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.



36.5174, 0.2182, 0.3464



36.5174, 0.3468, 0.2592



36.5174, 0.3365, 0.4562

Square

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



36.5174, 0.3468, 0.2592



36.5174, 0.4432, 0.4062



36.5174, 0.2699, 0.4177



36.5174, 0.1947, 0.2367

Rectangle

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



36.5174, 0.3468, 0.2592



36.5174, 0.4423, 0.3369



36.5174, 0.2699, 0.4177



36.5174, 0.1980, 0.2992

Sweetspot

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



36.5191, 0.3468, 0.2592



81.3739, 0.3207, 0.3089



29.8245, 0.2606, 0.2117



17.0226, 0.3216, 0.3067



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.



36.5191, 0.3468, 0.2592



42.0841, 0.3570, 0.2449



34.8165, 0.3964, 0.3094



13.8548, 0.3188, 0.3134



10.5312, 0.4255, 0.2117



0.7463, 0.4053, 0.2006

Inverse Universe

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



36.5191, 0.3468, 0.2592



42.0841, 0.3570, 0.2449



62.8055, 0.2657, 0.3503



13.8548, 0.3188, 0.3134



10.5312, 0.4255, 0.2117



0.7463, 0.4053, 0.2006

Previews

White Background



This preview shows how the Yxy color 36.5174, 0.3468, 0.2592 looks on a white background.

Color Contrast Check

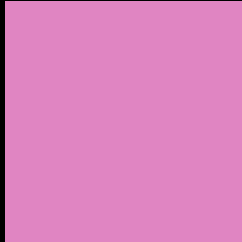
Large Text (above 18pt) WCAG AA × Fail

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 36.5174, 0.3468, 0.2592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

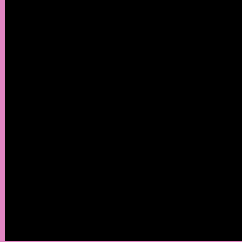
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.5174, 0.3468, 0.2592

Background



This preview shows how black text looks on a background with the Yxy color 36.5174, 0.3468, 0.2592.



This preview shows how white text looks on a background with the Yxy color 36.5174, 0.3468, 0.2592.

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

36.5174, 0.3468, 0.2592

Protanopia

36.7343, 0.2611, 0.2573

Deuteranopia

36.6859, 0.2944, 0.2878



Tritanopia

36.3768, 0.3856, 0.3159

Trichromacy



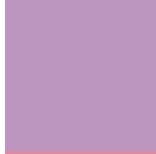
Original Color

36.5174, 0.3468, 0.2592



Protanomaly

35.8683, 0.2875, 0.2563



Deuteranomaly

36.2656, 0.3123, 0.2759



Tritanomaly

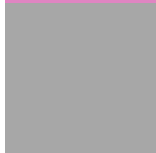
36.3391, 0.3719, 0.2945

Monochromacy



Original Color

36.5174, 0.3468, 0.2592



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

37.3084, 0.3248, 0.3000

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5174, 0.3468, 0.2592 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, 133, 194)` looks like.

```
.text, #text, p{  
    color:rgb(224, 133, 194)  
}
```

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, 133, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 133, 194) }
```

Border

The CSS property to change the border of an element to Yxy 36.5174, 0.3468, 0.2592 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, 133, 194) }
```

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

```
.border{ border-color:rgb(224, 133, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 133, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 133, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 133, 194);  
box-shadow:4px 4px 4px 4px rgb(224, 133,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5174, 0.3468, 0.2592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 133, 194) }
```

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

```
.background{ background-color: rgb(224,  
133, 194) }
```

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