

Converting Colors

$Y_{xy}(35.9538, 0.3594, 0.2618)$

Have a look what the booklet for
Yxy(35.9538, 0.3594, 0.2618)
contains.

Yxy(36.1543, 0.3600, 0.2626)	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(36.1543, 0.3600, 0.2626)

Conversions

Conversions Part 1

Format	Color
Hex	E681BC
RGB	230, 129, 188
RGB Percent	90%, 51%, 74%
CMY	0.0980, 0.4941, 0.2626
CMYK	0.00, 0.44, 0.18, 0.10
HSL	325°, 67%, 70%
HSV	325°, 44%, 90%
XYZ	49.5642, 36.1543, 51.9598
YIQ	165.9250, 41.2570, 39.7610

Conversions

Conversions Part 2

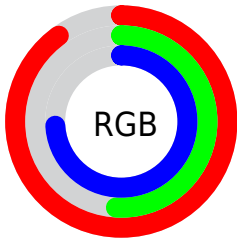
Format	Color
R _Y B	230, 129, 188
Decimal	15106492
CIE Lab	66.64, 46.25, -13.81
CIE LCh	67, 48.272, 343.374
Yxy	36.1543, 0.3600, 0.2626
Android (android.graphics.Color)	4293296572 (0xFFE681BC)
YUV	165.9250, 10.8830, 56.1938
Hunter-Lab	60.1284, 41.9136, -9.1453

Details

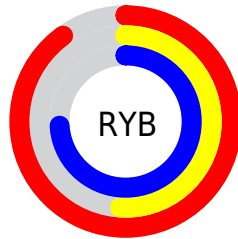
The Yxy color **36.1543, 0.3600, 0.2626** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **64.2029, 0.2839, 0.4078**, and the grayscale version is **38.0278, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.0726, 0.3242, 0.2694**, and **15.6888, 0.3725, 0.2438** is the 20% darker color. If you saturate the color by 10%, you get **30.3648, 0.3759, 0.2488**, and if you desaturate by 10%, it is **43.3381, 0.3461, 0.2777**.

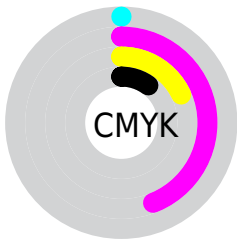
Distribution



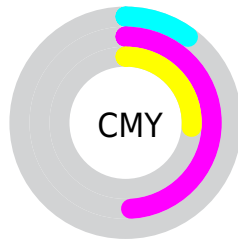
- Red (90%)
- Green (51%)
- Blue (74%)



- Red (90%)
- Yellow (51%)
- Blue (74%)



- Cyan (0%)
- Magenta (44%)
- Yellow (18%)
- Black (10%)





- Cyan (10%)
- Magenta (49%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.1543, 0.3600, 0.2626 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 36.1543, 0.3600, 0.2626 by changing the saturation by 10% instead.


 36.1543, 0.3600,
0.2626


 36.1543, 0.3600,
0.2626


329.6345, 0.3363,
0.2953


 24.5534, 0.3659,
0.2546


 69.2702, 0.3514,
0.2743

 15.7446, 0.3735,
0.2445


 91.5539, 0.3482,
0.2788

 9.3436, 0.3835,
0.2313


 118.1674, 0.3454,
0.2826

 4.9660, 0.3975,
0.2133

149.4949, 0.3431,
0.2858

 2.2273, 0.4181,
0.1875

185.9211, 0.3411,
0.2887

 0.7348, 0.4520,
0.1468


227.8301, 0.3393,


 0.0000, 0.5805,


0.2911


0.0000


275.6064, 0.3377,
0.2933


 0.0000, 0.0000,
0.0000

 36.1543, 0.3600,
0.2626

 36.1543, 0.3600,
0.2626


 30.3648, 0.3759,
0.2488

 43.3381, 0.3461,
0.2777


 25.8713, 0.3935,
0.2374


 51.9956, 0.3342,
0.2933


 22.5708, 0.4124,
0.2296


 62.2063, 0.3241,
0.3087


 20.3423, 0.4320,
0.2266


 74.0423, 0.3156,
0.3234


 19.0384, 0.4513,
0.2289

 87.5714, 0.3086,
0.3374

 18.5570, 0.4629,
0.2323

 94.9597, 0.3029,
0.3386

 95.5599, 0.2976,
0.3290

 95.5639, 0.2976,
0.3290

Harmonies

Analogous

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



36.1543, 0.2854, 0.2299



36.1543, 0.3600, 0.2626



36.1543, 0.4266, 0.3095

Triad

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



36.1543, 0.3600, 0.2626



36.1543, 0.3941, 0.4562



36.1543, 0.1864, 0.2677

Complementary

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



36.1543, 0.3600, 0.2626



64.2029, 0.2839, 0.4078

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.



36.1543, 0.2082, 0.3347



36.1543, 0.3600, 0.2626



36.1543, 0.3259, 0.4597

Square

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



36.1543, 0.3600, 0.2626



36.1543, 0.4438, 0.4165



36.1543, 0.2579, 0.4118



36.1543, 0.1929, 0.2286

Rectangle

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



36.1543, 0.3600, 0.2626



36.1543, 0.4525, 0.3451



36.1543, 0.2579, 0.4118



36.1543, 0.1904, 0.2873

Sweetspot

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



36.1560, 0.3600, 0.2626



79.7872, 0.3233, 0.3099



29.8929, 0.2623, 0.2032



16.4192, 0.3254, 0.3066



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.



36.1560, 0.3600, 0.2626



38.7728, 0.3748, 0.2496



34.3908, 0.4171, 0.3177



14.5086, 0.3201, 0.3154



10.5303, 0.4600, 0.2308



0.7966, 0.4342, 0.2165

Inverse Universe

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



36.1560, 0.3600, 0.2626



38.7728, 0.3748, 0.2496



66.4259, 0.2584, 0.3415



14.5086, 0.3201, 0.3154



10.5303, 0.4600, 0.2308



0.7966, 0.4342, 0.2165

Previews

White Background



This preview shows how the Yxy color 36.1543, 0.3600, 0.2626 looks on a white background.

Color Contrast Check

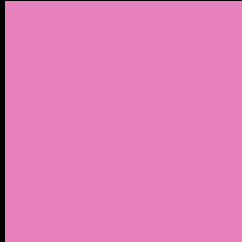
Large Text (above 18pt) WCAG AA × Fail

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 36.1543, 0.3600, 0.2626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

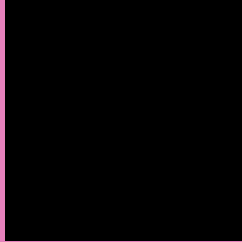
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.1543, 0.3600, 0.2626

Background



This preview shows how black text looks on a background with the Yxy color 36.1543, 0.3600, 0.2626.



This preview shows how white text looks on a background with the Yxy color 36.1543, 0.3600, 0.2626.

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

36.1543, 0.3600, 0.2626

Protanopia

36.6269, 0.2646, 0.2622

Deuteranopia

36.3076, 0.3012, 0.2945



Tritanopia

36.1667, 0.4001, 0.3175

Trichromacy



Original Color

36.1543, 0.3600, 0.2626



Protanomaly

35.3429, 0.2943, 0.2600



Deuteranomaly

35.4466, 0.3210, 0.2797



Tritanomaly

35.9897, 0.3849, 0.2965

Monochromacy



Original Color

36.1543, 0.3600, 0.2626



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

36.6573, 0.3289, 0.3012

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.1543, 0.3600, 0.2626 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(230, 129, 188)` looks like.

```
.text, #text, p{  
    color:rgb(230, 129, 188)  
}
```

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(230, 129, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 129, 188) }
```

Border

The CSS property to change the border of an element to Yxy 36.1543, 0.3600, 0.2626 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(230, 129, 188) }
```

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

```
.border{ border-color:rgb(230, 129, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 129, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(230, 129, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(230, 129, 188); box-shadow:4px 4px 4px 4px rgb(230, 129, 188) }
```


Background

The CSS property to change the background color of an element to Yxy 36.1543, 0.3600, 0.2626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 129, 188) }
```

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

```
.background{ background-color: rgb(230,  
129, 188) }
```

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