

Converting Colors

$Y_{xy}(36.1145, 0.2962, 0.2642)$

Have a look what the booklet for
Yxy(36.1145, 0.2962, 0.2642)
contains.

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Color

Yxy(36.0536, 0.2960, 0.2640)

Conversions

Conversions Part 1

Format	Color
Hex	B497C9
RGB	180, 151, 201
RGB Percent	71%, 59%, 79%
CMY	0.2943, 0.4078, 0.2117
CMYK	0.10, 0.25, 0.00, 0.21
HSL	275°, 32%, 69%
HSV	275°, 25%, 79%
XYZ	40.4237, 36.0536, 60.0893
YIQ	165.3710, 1.2340, 21.6980

Conversions

Conversions Part 2

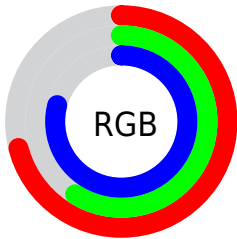
Format	Color
R_{YB}	180, 151, 201
Decimal	11835337
CIE _{Lab}	66.56, 20.15, -21.70
CIE _{LCh}	67, 29.613, 312.870
Yxy	36.0536, 0.2960, 0.2640
Android (android.graphics.Color)	4290025417 (0xFFB497C9)
YUV	165.3710, 17.5651, 12.8296
Hunter-Lab	60.0447, 15.0930, -17.3029

Details

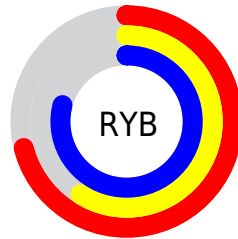
The Yxy color **36.0536, 0.2960, 0.2640** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **52.7895, 0.3259, 0.3955**, and the grayscale version is **37.7268, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.7155, 0.3013, 0.2780**, and **15.7330, 0.2904, 0.2459** is the 20% darker color. If you saturate the color by 10%, you get **29.1415, 0.2874, 0.2356**, and if you desaturate by 10%, it is **44.1339, 0.3035, 0.2914**.

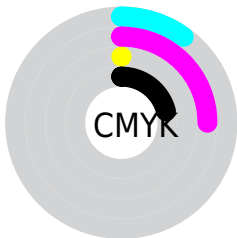
Distribution



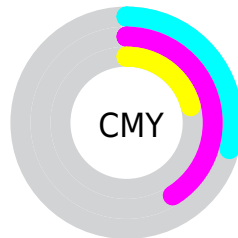
- Red (71%)
- Green (59%)
- Blue (79%)



- Red (71%)
- Yellow (59%)
- Blue (79%)



- Cyan (10%)
- Magenta (25%)
- Yellow (0%)
- Black (21%)





- Cyan (29%)
- Magenta (41%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.0536, 0.2960, 0.2640 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 36.0536, 0.2960, 0.2640 by changing the saturation by 10% instead.

 36.0536, 0.2960,
0.2640

 36.0536, 0.2960,
0.2640


329.1948, 0.3052,
0.2963

 24.4756, 0.2935,
0.2560


 69.1148, 0.2995,
0.2757

 15.6868, 0.2901,
0.2459


 91.3668, 0.3008,
0.2801

 9.3028, 0.2854,
0.2325


117.9455, 0.3018,
0.2838

 4.9392, 0.2783,
0.2142

149.2354, 0.3027,
0.2870

 2.2116, 0.2670,
0.1878

185.6209, 0.3034,
0.2898

 0.7263, 0.2467,
0.1457

227.4864, 0.3041,

 0.0000, 0.1048,

0.2922

0.0000

275.2162, 0.3047,
0.2944

0.0000, 0.0000,
0.0000

36.0536, 0.2960,
0.2640

36.0536, 0.2960,
0.2640

29.1415, 0.2874,
0.2356

44.1339, 0.3035,
0.2914

23.3359, 0.2777,
0.2069

53.4307, 0.3100,
0.3171

18.5765, 0.2672,
0.1792

63.9954, 0.3154,
0.3410

14.7949, 0.2560,
0.1537

75.8748, 0.3199,
0.3627

11.9145, 0.2447,
0.1317

89.1135, 0.3236,
0.3824

9.8468, 0.2335,
0.1144

92.6842, 0.3288,
0.3848

8.4842, 0.2231,
0.1023

94.1251, 0.3343,
0.3839

7.9543, 0.2180,
0.0975

95.6350, 0.3399,
0.3829

96.9973, 0.3448,
0.3820

Harmonies

Analogous

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



36.0536, 0.2576, 0.2565



36.0536, 0.2960, 0.2640



36.0536, 0.3419, 0.2859

Triad

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



36.0536, 0.2960, 0.2640



36.0536, 0.3958, 0.3873



36.0536, 0.2471, 0.3350

Complementary

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



36.0536, 0.2960, 0.2640



52.7895, 0.3259, 0.3955

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.



36.0536, 0.2806, 0.3785



36.0536, 0.2960, 0.2640



36.0536, 0.3667, 0.4081

Square

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



36.0536, 0.2960, 0.2640



36.0536, 0.4020, 0.3541



36.0536, 0.3243, 0.4064



36.0536, 0.2310, 0.2935

Rectangle

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



36.0536, 0.2960, 0.2640



36.0536, 0.3701, 0.3065



36.0536, 0.3243, 0.4064



36.0536, 0.2565, 0.3502

Sweetspot

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



36.0551, 0.2960, 0.2640



87.7372, 0.3086, 0.3116



40.5635, 0.2731, 0.2901



18.5640, 0.3082, 0.3100



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.



36.0551, 0.2960, 0.2640



54.9134, 0.2913, 0.2483



38.6204, 0.3186, 0.2715



10.5855, 0.3072, 0.3058



5.0559, 0.2194, 0.0982



0.2813, 0.2402, 0.1097

Inverse Universe

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



37.5396, 0.3430, 0.3022



57.9892, 0.3520, 0.2959



50.7019, 0.3072, 0.3941



10.7098, 0.3225, 0.3193



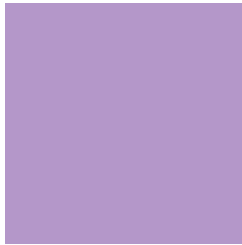
8.2340, 0.5269, 0.2676



0.4043, 0.4736, 0.2383

Previews

White Background



This preview shows how the Yxy color 36.0536, 0.2960, 0.2640 looks on a white background.

Color Contrast Check

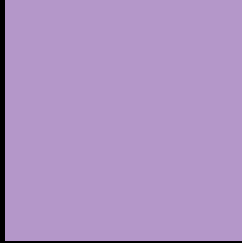
Large Text (above 18pt) WCAG AA × Fail

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 36.0536, 0.2960, 0.2640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

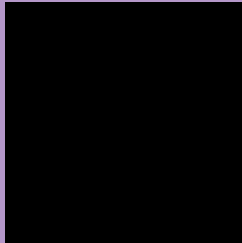
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.0536, 0.2960, 0.2640

Background



This preview shows how black text looks on a background with the Yxy color 36.0536, 0.2960, 0.2640.



This preview shows how white text looks on a background with the Yxy color 36.0536, 0.2960, 0.2640.

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

36.0536, 0.2960, 0.2640

Protanopia

36.1797, 0.2658, 0.2632

Deuteranopia

36.3373, 0.2788, 0.2729



Tritanopia

36.0925, 0.3193, 0.3124

Trichromacy



Original Color

36.0536, 0.2960, 0.2640

Protanomaly

36.0988, 0.2765, 0.2643

Deuteranomaly

36.1626, 0.2854, 0.2698

Tritanomaly

36.1260, 0.3105, 0.2937

Monochromacy



Original Color

36.0536, 0.2960, 0.2640

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

36.9020, 0.3064, 0.3040

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.0536, 0.2960, 0.2640 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(180, 151, 201)` looks like.

```
.text, #text, p{  
    color:rgb(180, 151, 201)  
}
```

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(180, 151, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 151, 201) }
```

Border

The CSS property to change the border of an element to Yxy 36.0536, 0.2960, 0.2640 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(180, 151, 201) }
```

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

```
.border{ border-color:rgb(180, 151, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 151, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 151, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 151, 201);  
box-shadow:4px 4px 4px 4px rgb(180, 151,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 36.0536, 0.2960, 0.2640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 151, 201) }
```

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

```
.background{ background-color: rgb(180,  
151, 201) }
```

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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