

Converting Colors

$Y_{xy}(36.6412, 0.2916, 0.2599)$

Have a look what the booklet for
Yxy(36.6412, 0.2916, 0.2599)
contains.

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Color

Yxy(36.6160, 0.2919, 0.2595)

Conversions

Conversions Part 1

Format	Color
Hex	B498CE
RGB	180, 152, 206
RGB Percent	71%, 60%, 81%
CMY	0.2942, 0.4039, 0.1921
CMYK	0.13, 0.26, 0.00, 0.19
HSL	271°, 36%, 70%
HSV	271°, 26%, 81%
XYZ	41.1877, 36.6160, 63.2984
YIQ	166.5280, -0.6460, 22.7300

Conversions

Conversions Part 2

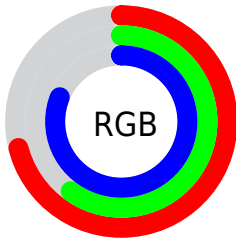
Format	Color
R _Y B	180, 152, 206
Decimal	11835598
CIE _{Lab}	66.99, 20.66, -23.84
CIE _{LCh}	67, 31.544, 310.916
Y _{xy}	36.6160, 0.2919, 0.2595
Android (android.graphics.Color)	4290025678 (0xFFB498CE)
YUV	166.5280, 19.4597, 11.8149
Hunter-Lab	60.5112, 15.6038, -19.6632

Details

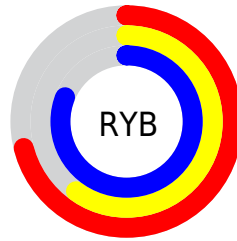
The Yxy color **36.6160, 0.2919, 0.2595** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **55.8887, 0.3292, 0.3990**, and the grayscale version is **38.3062, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.1955, 0.3013, 0.2791**, and **16.0864, 0.2848, 0.2402** is the 20% darker color. If you saturate the color by 10%, you get **29.3505, 0.2817, 0.2303**, and if you desaturate by 10%, it is **45.1315, 0.3008, 0.2875**.

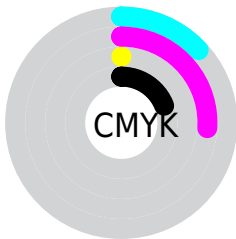
Distribution



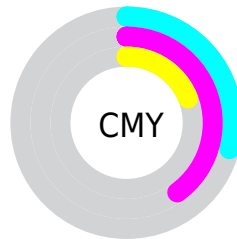
- Red (71%)
- Green (60%)
- Blue (81%)



- Red (71%)
- Yellow (60%)
- Blue (81%)



- Cyan (13%)
- Magenta (26%)
- Yellow (0%)
- Black (19%)





- Cyan (29%)
- Magenta (40%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.6160, 0.2919, 0.2595 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 36.6160, 0.2919, 0.2595 by changing the saturation by 10% instead.


 36.6160, 0.2919,
0.2595


 36.6160, 0.2919,
0.2595

331.6450, 0.3032,
0.2939

 24.9103, 0.2888,
0.2511


 69.9818, 0.2962,
0.2719

 16.0103, 0.2848,
0.2404

 92.4107, 0.2977,
0.2765

 9.5314, 0.2791,
0.2265


119.1828, 0.2990,
0.2805

 5.0894, 0.2709,
0.2075

150.6825, 0.3001,
0.2839

 2.2998, 0.2578,
0.1805

187.2941, 0.3010,
0.2869

 0.7736, 0.2348,
0.1392

229.4022, 0.3019,

 0.0000, 0.1223,

0.2895

0.0000

277.3910, 0.3026,
0.2918

0.0000, 0.0000,
0.0000

36.6160, 0.2919,
0.2595

36.6160, 0.2919,
0.2595

29.3505, 0.2817,
0.2303

45.1315, 0.3008,
0.2875

23.2686, 0.2704,
0.2009

54.9499, 0.3085,
0.3137

18.3045, 0.2582,
0.1723

66.1264, 0.3151,
0.3379

14.3841, 0.2454,
0.1461

78.7118, 0.3206,
0.3599

11.4236, 0.2326,
0.1236

92.7415, 0.3251,
0.3797

■ 9.3260, 0.2204,
0.1061

■ 94.4290, 0.3316,
0.3786

■ 7.9691, 0.2091,
0.0941

■ 96.2116, 0.3381,
0.3776

■ 7.5623, 0.2051,
0.0904

■ 97.2370, 0.3418,
0.3770

Harmonies

Analogous

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



36.6160, 0.2523, 0.2526



36.6160, 0.2919, 0.2595



36.6160, 0.3404, 0.2817

Triad

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



36.6160, 0.2919, 0.2595



36.6160, 0.4019, 0.3883



36.6160, 0.2451, 0.3384

Complementary

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



36.6160, 0.2919, 0.2595



55.8887, 0.3292, 0.3990

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.



36.6160, 0.2814, 0.3843



36.6160, 0.2919, 0.2595



36.6160, 0.3723, 0.4120

Square

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



36.6160, 0.2919, 0.2595



36.6160, 0.4068, 0.3527



36.6160, 0.3278, 0.4123



36.6160, 0.2270, 0.2937

Rectangle

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



36.6160, 0.2919, 0.2595



36.6160, 0.3709, 0.3028



36.6160, 0.3278, 0.4123



36.6160, 0.2554, 0.3545

Sweetspot

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



36.6175, 0.2919, 0.2595



85.8496, 0.3072, 0.3089



43.0196, 0.2712, 0.2914



17.8403, 0.3060, 0.3050



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.



36.6175, 0.2919, 0.2595



52.9844, 0.2868, 0.2445



39.9978, 0.3165, 0.2653



11.1249, 0.3062, 0.3056



4.7140, 0.2066, 0.0912



0.2882, 0.2277, 0.1028

Inverse Universe

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



38.8009, 0.3419, 0.2966



57.1497, 0.3496, 0.2899



53.1235, 0.3086, 0.4022



11.3023, 0.3216, 0.3179



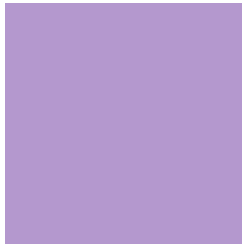
8.6581, 0.5017, 0.2537



0.4620, 0.4572, 0.2292

Previews

White Background



This preview shows how the Yxy color 36.6160, 0.2919, 0.2595 looks on a white background.

Color Contrast Check

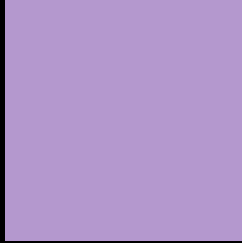
Large Text (above 18pt) WCAG AA × Fail

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 36.6160, 0.2919, 0.2595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

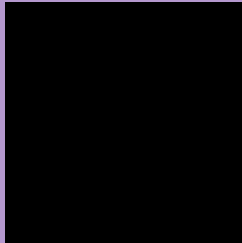
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.6160, 0.2919, 0.2595

Background



This preview shows how black text looks on a background with the Yxy color 36.6160, 0.2919, 0.2595.



This preview shows how white text looks on a background with the Yxy color 36.6160, 0.2919, 0.2595.

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

36.6160, 0.2919, 0.2595

Protanopia

36.6834, 0.2618, 0.2585

Deuteranopia

36.7703, 0.2751, 0.2692



Tritanopia

36.7352, 0.3164, 0.3124

Trichromacy



Original Color

36.6160, 0.2919, 0.2595

Protanomaly

36.5804, 0.2721, 0.2595

Deuteranomaly

36.6287, 0.2807, 0.2650

Tritanomaly

36.4677, 0.3069, 0.2911

Monochromacy



Original Color

36.6160, 0.2919, 0.2595

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

37.9475, 0.3056, 0.3030

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6160, 0.2919, 0.2595 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, 152, 206)` looks like.

```
.text, #text, p{  
    color:rgb(180, 152, 206)  
}
```

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, 152, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 152, 206) }
```

Border

The CSS property to change the border of an element to Yxy 36.6160, 0.2919, 0.2595 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, 152, 206) }
```

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

```
.border{ border-color:rgb(180, 152, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 152, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 152, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 152, 206);  
box-shadow:4px 4px 4px 4px rgb(180, 152,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 36.6160, 0.2919, 0.2595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 152, 206) }
```

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

```
.background{ background-color: rgb(180,  
152, 206) }
```

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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