

Converting Colors

$Y_{xy}(36.3010, 0.3171, 0.2856)$

Have a look what the booklet for
Yxy(36.3010, 0.3171, 0.2856)
contains.

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Color

Yxy(36.1587, 0.3177, 0.2857)

Conversions

Conversions Part 1

Format	Color
Hex	BB97B8
RGB	187, 151, 184
RGB Percent	73%, 59%, 72%
CMY	0.2667, 0.4078, 0.2785
CMYK	0.00, 0.19, 0.02, 0.27
HSL	305°, 21%, 66%
HSV	305°, 19%, 73%
XYZ	40.2087, 36.1587, 50.1944
YIQ	165.5260, 10.8630, 17.8950

Conversions

Conversions Part 2

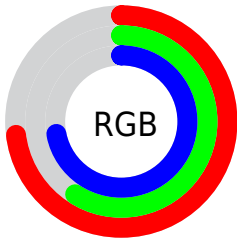
Format	Color
R _Y B	187, 151, 184
Decimal	12294072
CIE Lab	66.64, 19.13, -12.02
CIE LCh	67, 22.594, 327.872
Yxy	36.1587, 0.3177, 0.2857
Android (android.graphics.Color)	4290484152 (0xFFBB97B8)
YUV	165.5260, 9.1077, 18.8327
Hunter-Lab	60.1321, 14.1268, -7.3990

Details

The Yxy color $36.1587, 0.3177, 0.2857$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $44.4527, 0.3080, 0.3765$, and the grayscale version is $37.8444, 0.3127, 0.3290$.

A 20% lighter version of the original color is $69.0086, 0.3166, 0.2932$, and $15.7396, 0.3181, 0.2732$ is the 20% darker color. If you saturate the color by 10%, you get $30.5453, 0.3207, 0.2628$, and if you desaturate by 10%, it is $42.7306, 0.3150, 0.3085$.

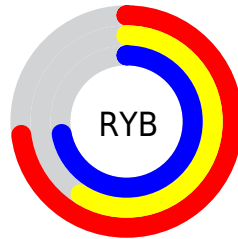
Distribution



Red (73%)

Green (59%)

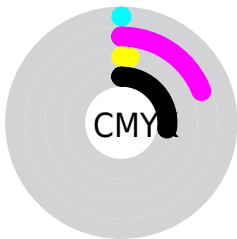
Blue (72%)



Red (73%)

Yellow (59%)

Blue (72%)

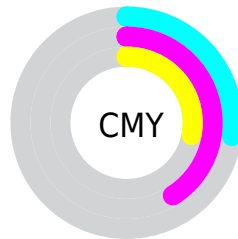


Cyan (0%)

Magenta (19%)

Yellow (2%)

Black (27%)



Cyan (27%)


Magenta (41%)

Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.1587, 0.3177, 0.2857 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 36.1587, 0.3177, 0.2857 by changing the saturation by 10% instead.

 36.1587, 0.3177,
0.2857


 36.1587, 0.3177,
0.2857


329.6537, 0.3154,
0.3075

 24.5568, 0.3182,
0.2802


 69.2769, 0.3169,
0.2937

 15.7472, 0.3188,
0.2731


 91.5621, 0.3166,
0.2966

 9.3454, 0.3195,
0.2637


118.1770, 0.3164,
0.2992

 4.9672, 0.3203,
0.2504

149.5063, 0.3161,
0.3013

 2.2280, 0.3211,
0.2305

185.9342, 0.3159,
0.3032

 0.7352, 0.3220,
0.1958

227.8451, 0.3157,

 0.0000, 0.2071,

0.3048

0.0000

275.6235, 0.3156,
0.3062

0.0000, 0.0000,
0.0000

36.1587, 0.3177,
0.2857

36.1587, 0.3177,
0.2857

30.5453, 0.3207,
0.2628

42.7306, 0.3150,
0.3085

25.8409, 0.3239,
0.2406

50.2982, 0.3125,
0.3306

21.9983, 0.3272,
0.2199

58.9026, 0.3104,
0.3517

18.9648, 0.3307,
0.2016

68.5810, 0.3085,
0.3714

16.6813, 0.3340,
0.1868

79.3689, 0.3069,
0.3897

■ 15.0811, 0.3373,
0.1760

■ 85.9516, 0.3057,
0.3985

■ 14.0856, 0.3403,
0.1694

■ 86.0222, 0.3048,
0.3967

■ 13.5516, 0.3430,
0.1666

■ 86.0935, 0.3040,
0.3949

■ 13.5164, 0.3432,
0.1664

■ 86.1655, 0.3031,
0.3930

Harmonies

Analogous

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



36.1587, 0.2841, 0.2739



36.1587, 0.3177, 0.2857



36.1587, 0.3515, 0.3076

Triad

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



36.1587, 0.3177, 0.2857



36.1587, 0.3673, 0.3837



36.1587, 0.2539, 0.3176

Complementary

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



36.1587, 0.3177, 0.2857



44.4527, 0.3080, 0.3765

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.



36.1587, 0.2740, 0.3508



36.1587, 0.3177, 0.2857



36.1587, 0.3391, 0.3905

Square

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



36.1587, 0.3177, 0.2857



36.1587, 0.3809, 0.3628



36.1587, 0.3049, 0.3786



36.1587, 0.2488, 0.2901

Rectangle

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



36.1587, 0.3177, 0.2857



36.1587, 0.3690, 0.3257



36.1587, 0.3049, 0.3786



36.1587, 0.2590, 0.3285

Sweetspot

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



36.1603, 0.3177, 0.2857



80.6044, 0.3142, 0.3156



32.5949, 0.2840, 0.2774



17.5609, 0.3143, 0.3141



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.1603, 0.3177, 0.2857



60.4124, 0.3189, 0.2762



35.4539, 0.3349, 0.3089



9.6821, 0.3150, 0.3082



9.3187, 0.3429, 0.1663



0.3691, 0.3371, 0.1630

Inverse Universe

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



36.1603, 0.3177, 0.2857



60.4124, 0.3189, 0.2762



45.0973, 0.2949, 0.3501



9.6821, 0.3150, 0.3082



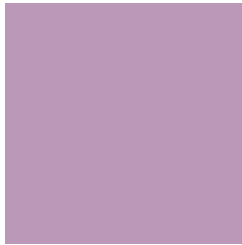
9.3187, 0.3429, 0.1663



0.3691, 0.3371, 0.1630

Previews

White Background



This preview shows how the Yxy color 36.1587, 0.3177, 0.2857 looks on a white background.

Color Contrast Check

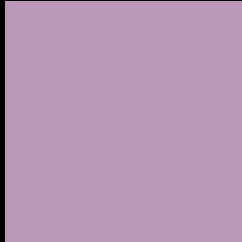
Large Text (above 18pt) WCAG AA × Fail

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 36.1587, 0.3177, 0.2857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

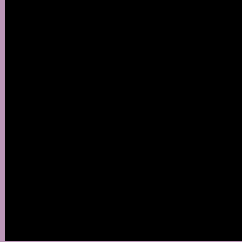
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.1587, 0.3177, 0.2857

Background



This preview shows how black text looks on a background with the Yxy color 36.1587, 0.3177, 0.2857.



This preview shows how white text looks on a background with the Yxy color 36.1587, 0.3177, 0.2857.

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

36.1587, 0.3177, 0.2857

Protanopia

36.3755, 0.2849, 0.2883

Deuteranopia

36.3076, 0.3012, 0.2945



Tritanopia

36.0547, 0.3314, 0.3128

Trichromacy



Original Color

36.1587, 0.3177, 0.2857

Protanomaly

36.0696, 0.2961, 0.2864

Deuteranomaly

36.0917, 0.3078, 0.2910

Tritanomaly

36.1139, 0.3258, 0.3022

Monochromacy



Original Color

36.1587, 0.3177, 0.2857

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

37.5055, 0.3144, 0.3125

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.1587, 0.3177, 0.2857 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(187, 151, 184)` looks like.

```
.text, #text, p{  
    color:rgb(187, 151, 184)  
}
```

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(187, 151, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 151, 184) }
```

Border

The CSS property to change the border of an element to Yxy 36.1587, 0.3177, 0.2857 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(187, 151, 184) }
```

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

```
.border{ border-color:rgb(187, 151, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 151, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 151, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 151, 184);  
box-shadow:4px 4px 4px 4px rgb(187, 151,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 36.1587, 0.3177, 0.2857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 151, 184) }
```

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

```
.background{ background-color: rgb(187,  
151, 184) }
```

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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