

Converting Colors

$Y_{xy}(29.6165, 0.3105, 0.2645)$

Have a look what the booklet for
Yxy(29.6165, 0.3105, 0.2645)
contains.

Yxy(29.6165, 0.3105, 0.2645)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.6165, 0.3105, 0.2645)

Conversions

Conversions Part 1

Format	Color
Hex	B086B5
RGB	176, 134, 181
RGB Percent	69%, 53%, 71%
CMY	0.3098, 0.4745, 0.2903
CMYK	0.03, 0.26, 0.00, 0.29
HSL	294°, 24%, 62%
HSV	294°, 26%, 71%
XYZ	34.7672, 29.6165, 47.5879
YIQ	151.9160, 9.9450, 23.5210

Conversions

Conversions Part 2

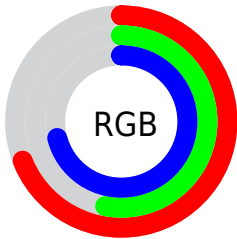
Format	Color
RYB	176, 134, 181
Decimal	11568821
CIELab	61.32, 24.30, -18.46
CIELCh	61, 30.521, 322.773
Yxy	29.6165, 0.3105, 0.2645
Android (android.graphics.Color)	4289758901 (0xFFB086B5)
YUV	151.9160, 14.3384, 21.1217
Hunter-Lab	54.4210, 18.7989, -13.7508

Details

The Yxy color $29.6165, 0.3105, 0.2645$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $40.2487, 0.3135, 0.4009$, and the grayscale version is $31.2955, 0.3127, 0.3290$.

A 20% lighter version of the original color is $59.2367, 0.3112, 0.2770$, and $12.1101, 0.3090, 0.2456$ is the 20% darker color. If you saturate the color by 10%, you get $24.8131, 0.3091, 0.2394$, and if you desaturate by 10%, it is $35.2817, 0.3116, 0.2899$.

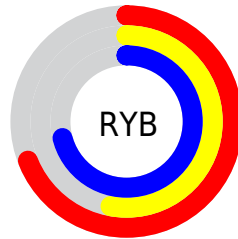
Distribution



Red (69%)

Green (53%)

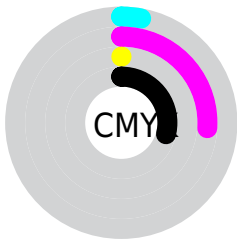
Blue (71%)



Red (69%)

Yellow (53%)

Blue (71%)

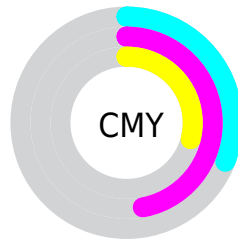


Cyan (3%)

Magenta (26%)

Yellow (0%)

Black (29%)



Cyan (31%)


Magenta (47%)


Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.6165, 0.3105, 0.2645 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 29.6165, 0.3105, 0.2645 by changing the saturation by 10% instead.


 29.6165, 0.3105,
0.2645


 29.6165, 0.3105,
0.2645


300.1128, 0.3123,
0.2975


 19.5477, 0.3098,
0.2561


 59.0552, 0.3113,
0.2766

 12.0667, 0.3087,
0.2451


 79.1938, 0.3116,
0.2812

 6.7891, 0.3070,
0.2304


 103.4578, 0.3118,
0.2850

 3.3306, 0.3039,
0.2096

132.2317, 0.3120,
0.2882

 1.3066, 0.2977,
0.1784

165.8997, 0.3121,
0.2910

 0.1463, 0.3032,
0.0606

204.8463, 0.3122,

 0.0000, 0.0000,

0.2934

0.0000

249.4558, 0.3123,
0.2956

■ 29.6165, 0.3105,
0.2645

■ 29.6165, 0.3105,
0.2645

■ 24.8131, 0.3091,
0.2394

■ 35.2817, 0.3116,
0.2899

■ 20.8242, 0.3075,
0.2153

■ 41.8454, 0.3124,
0.3147

■ 17.6035, 0.3055,
0.1933

■ 49.3468, 0.3129,
0.3385

■ 15.0987, 0.3032,
0.1744

■ 57.8216, 0.3133,
0.3609

■ 13.2509, 0.3008,
0.1592

■ 67.3037, 0.3134,
0.3816

■ 11.9920, 0.2981,
0.1483

■ 77.8253, 0.3135,
0.4007

■ 11.2340, 0.2955,
0.1417

■ 85.7299, 0.3138,
0.4127

■ 10.9935, 0.2944,
0.1395

■ 85.9778, 0.3150,
0.4124

■ 86.2290, 0.3162,
0.4121

Harmonies

Analogous

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



29.6165, 0.2645, 0.2507



29.6165, 0.3105, 0.2645



29.6165, 0.3608, 0.2924

Triad

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



29.6165, 0.3105, 0.2645



29.6165, 0.3956, 0.4022



29.6165, 0.2327, 0.3191

Complementary

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



29.6165, 0.3105, 0.2645



40.2487, 0.3135, 0.4009

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.



29.6165, 0.2634, 0.3688



29.6165, 0.3105, 0.2645



29.6165, 0.3572, 0.4188

Square

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



29.6165, 0.3105, 0.2645



29.6165, 0.4119, 0.3686



29.6165, 0.3087, 0.4076



29.6165, 0.2225, 0.2777

Rectangle

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



29.6165, 0.3105, 0.2645



29.6165, 0.3887, 0.3164



29.6165, 0.3087, 0.4076



29.6165, 0.2409, 0.3355

Sweetspot

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



29.6178, 0.3105, 0.2645



72.2586, 0.3122, 0.3093



27.0118, 0.2695, 0.2649



15.2279, 0.3121, 0.3057



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



29.6178, 0.3105, 0.2645



48.0835, 0.3098, 0.2504



29.5174, 0.3344, 0.2887



8.6000, 0.3121, 0.3064



7.5987, 0.2947, 0.1397



0.2521, 0.3025, 0.1440

Inverse Universe

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



28.7379, 0.3612, 0.3220



46.2772, 0.3756, 0.3204



40.3754, 0.2959, 0.3731



8.5194, 0.3271, 0.3266



6.8104, 0.6254, 0.3219



0.2190, 0.5750, 0.2941

Previews

White Background



This preview shows how the Yxy color 29.6165, 0.3105, 0.2645 looks on a white background.

Color Contrast Check

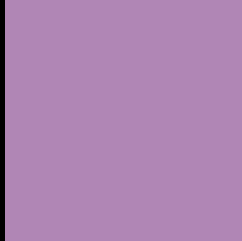
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6165, 0.3105, 0.2645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

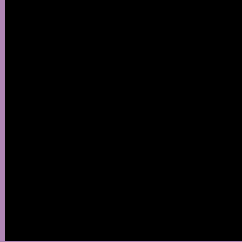
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.6165, 0.3105, 0.2645

Background



This preview shows how black text looks on a background with the Yxy color 29.6165, 0.3105, 0.2645.



This preview shows how white text looks on a background with the Yxy color 29.6165, 0.3105, 0.2645.

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

29.6165, 0.3105, 0.2645

Protanopia

29.9035, 0.2662, 0.2650

Deuteranopia

29.7085, 0.2837, 0.2782



Tritanopia

29.7612, 0.3363, 0.3130

Trichromacy



Original Color

29.6165, 0.3105, 0.2645

Protanomaly

29.5132, 0.2805, 0.2636

Deuteranomaly

29.6141, 0.2931, 0.2725

Tritanomaly

29.6698, 0.3262, 0.2947

Monochromacy



Original Color

29.6165, 0.3105, 0.2645

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.4722, 0.3119, 0.3024

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6165, 0.3105, 0.2645 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(176, 134, 181)` looks like.

```
.text, #text, p{  
    color:rgb(176, 134, 181)  
}
```

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(176, 134, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 134, 181) }
```

Border

The CSS property to change the border of an element to Yxy 29.6165, 0.3105, 0.2645 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(176, 134, 181) }
```

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

```
.border{ border-color:rgb(176, 134, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 134, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 134, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 134, 181);  
box-shadow:4px 4px 4px 4px rgb(176, 134,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6165, 0.3105, 0.2645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 134, 181) }
```

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

```
.background{ background-color: rgb(176,  
134, 181) }
```

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