

Converting Colors

$Y_{xy}(31.0981, 0.3100, 0.2543)$

Have a look what the booklet for
Yxy(31.0981, 0.3100, 0.2543)
contains.

Yxy(31.1261, 0.3100, 0.2544)	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(31.1261, 0.3100, 0.2544)

Conversions

Conversions Part 1

Format	Color
Hex	B986BF
RGB	185, 134, 191
RGB Percent	73%, 53%, 75%
CMY	0.2747, 0.4744, 0.2510
CMYK	0.03, 0.30, 0.00, 0.25
HSL	294°, 31%, 64%
HSV	294°, 30%, 75%
XYZ	37.9288, 31.1261, 53.2961
YIQ	155.7470, 12.0990, 28.5390

Conversions

Conversions Part 2

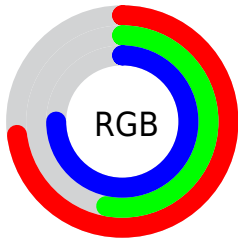
Format	Color
RYB	185, 134, 191
Decimal	12158655
CIELab	62.61, 29.26, -22.08
CIELCh	63, 36.654, 322.963
Yxy	31.1261, 0.3100, 0.2544
Android (android.graphics.Color)	4290348735 (0xFFB986BF)
YUV	155.7470, 17.3797, 25.6549
Hunter-Lab	55.7908, 23.7177, -17.5853

Details

The Yxy color $31.1261, 0.3100, 0.2544$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $44.5622, 0.3134, 0.4137$, and the grayscale version is $33.0444, 0.3127, 0.3290$.

A 20% lighter version of the original color is $61.5591, 0.3117, 0.2687$, and $12.8180, 0.3083, 0.2329$ is the 20% darker color. If you saturate the color by 10%, you get $26.0651, 0.3085, 0.2295$, and if you desaturate by 10%, it is $37.1469, 0.3112, 0.2799$.

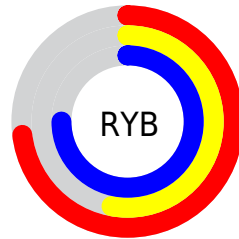
Distribution



Red (73%)

Green (53%)

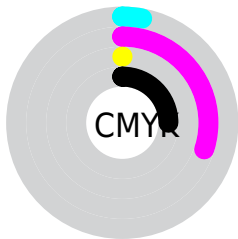
Blue (75%)



Red (73%)

Yellow (53%)

Blue (75%)

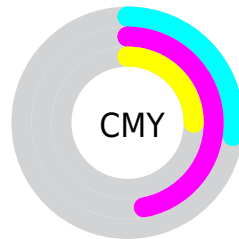


Cyan (3%)

Magenta (30%)

Yellow (0%)

Black (25%)



Cyan (27%)


Magenta (47%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.1261, 0.3100, 0.2544 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 31.1261, 0.3100, 0.2544 by changing the saturation by 10% instead.


 31.1261, 0.3100,
0.2544


 31.1261, 0.3100,
0.2544


307.1188, 0.3123,
0.2919

 20.6949, 0.3091,
0.2451


 61.4385, 0.3111,
0.2680

 12.9012, 0.3078,
0.2331

 82.0886, 0.3114,
0.2731

 7.3605, 0.3057,
0.2173


 106.9137, 0.3116,
0.2775

 3.6886, 0.3020,
0.1955

136.2982, 0.3118,
0.2812

 1.5009, 0.2950,
0.1639

170.6266, 0.3120,
0.2844

 0.2894, 0.2892,
0.0839

210.2832, 0.3121,

 0.0000, 0.0000,

0.2872

0.0000

255.6525, 0.3122,
0.2897

■ 31.1261, 0.3100,
0.2544

■ 31.1261, 0.3100,
0.2544

■ 26.0651, 0.3085,
0.2295

■ 37.1469, 0.3112,
0.2799

■ 21.9084, 0.3067,
0.2061

■ 44.1710, 0.3121,
0.3051

■ 18.6013, 0.3046,
0.1851

■ 52.2440, 0.3127,
0.3294

■ 16.0813, 0.3022,
0.1676

■ 61.4077, 0.3131,
0.3524

■ 14.2773, 0.2997,
0.1542

■ 71.7014, 0.3134,
0.3739

■ 13.1054, 0.2971,
0.1451

■ 83.1626, 0.3135,
0.3937

■ 12.4036, 0.2944,
0.1396

■ 87.4405, 0.3143,
0.3998

■ 12.3926, 0.2943,
0.1395

■ 87.7193, 0.3156,
0.3995

■ 88.0019, 0.3168,
0.3992

Harmonies

Analogous

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



31.1261, 0.2563, 0.2382



31.1261, 0.3100, 0.2544



31.1261, 0.3697, 0.2864

Triad

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



31.1261, 0.3100, 0.2544



31.1261, 0.4094, 0.4141



31.1261, 0.2192, 0.3160

Complementary

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



31.1261, 0.3100, 0.2544



44.5622, 0.3134, 0.4137

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.



31.1261, 0.2541, 0.3759



31.1261, 0.3100, 0.2544



31.1261, 0.3637, 0.4355

Square

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



31.1261, 0.3100, 0.2544



31.1261, 0.4296, 0.3740



31.1261, 0.3067, 0.4231



31.1261, 0.2080, 0.2678

Rectangle

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



31.1261, 0.3100, 0.2544



31.1261, 0.4029, 0.3138



31.1261, 0.3067, 0.4231



31.1261, 0.2284, 0.3356

Sweetspot

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



31.1274, 0.3100, 0.2544



80.0463, 0.3121, 0.3068



27.7844, 0.2619, 0.2534



17.1406, 0.3120, 0.3031



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



31.1274, 0.3100, 0.2544



49.4573, 0.3090, 0.2375



31.0030, 0.3386, 0.2823



9.6436, 0.3121, 0.3063



8.1656, 0.2947, 0.1397



0.3348, 0.3014, 0.1434

Inverse Universe

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



30.0277, 0.3714, 0.3209



47.2128, 0.3906, 0.3190



44.7256, 0.2935, 0.3810



9.5524, 0.3272, 0.3266



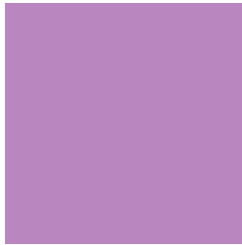
7.3189, 0.6258, 0.3221



0.2922, 0.5810, 0.2974

Previews

White Background



This preview shows how the Yxy color 31.1261, 0.3100, 0.2544 looks on a white background.

Color Contrast Check

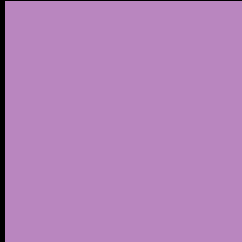
Large Text (above 18pt) WCAG AA × Fail

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 31.1261, 0.3100, 0.2544 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 31.1261, 0.3100, 0.2544

Background



This preview shows how black text looks on a background with the Yxy color 31.1261, 0.3100, 0.2544.



This preview shows how white text looks on a background with the Yxy color 31.1261, 0.3100, 0.2544.

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

31.1261, 0.3100, 0.2544

Protanopia

31.4429, 0.2574, 0.2529

Deuteranopia

31.4216, 0.2776, 0.2723



Tritanopia

31.0200, 0.3438, 0.3135

Trichromacy



Original Color

31.1261, 0.3100, 0.2544

Protanomaly

30.9401, 0.2737, 0.2520

Deuteranomaly

31.1977, 0.2883, 0.2657

Tritanomaly

30.8752, 0.3317, 0.2904

Monochromacy



Original Color

31.1261, 0.3100, 0.2544

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.2599, 0.3121, 0.2989

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1261, 0.3100, 0.2544 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(185, 134, 191)` looks like.

```
.text, #text, p{  
    color:rgb(185, 134, 191)  
}
```

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(185, 134, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 134, 191) }
```

Border

The CSS property to change the border of an element to Yxy 31.1261, 0.3100, 0.2544 is called "border". The border property can be set on classes, ids or directly on the HTML element.

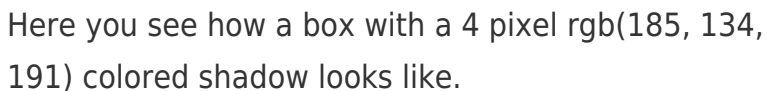
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 134, 191) }
```

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

```
.border{ border-color:rgb(185, 134, 191) }
```

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



Here you see how a box with a 4 pixel `rgb(185, 134, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(185, 134, 191); -webkit-box-shadow:4px 4px 4px 4px rgb(185, 134, 191); box-shadow:4px 4px 4px 4px rgb(185, 134, 191) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1261, 0.3100, 0.2544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 134, 191) }
```

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

```
.background{ background-color: rgb(185,  
134, 191) }
```

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