

Converting Colors

$Y_{xy}(30.1172, 0.3049, 0.2629)$

Have a look what the booklet for
Yxy(30.1172, 0.3049, 0.2629)
contains.

Yxy(30.0677, 0.3055, 0.2631)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.0677, 0.3055, 0.2631)

Conversions

Conversions Part 1

Format	Color
Hex	AE88B8
RGB	174, 136, 184
RGB Percent	68%, 53%, 72%
CMY	0.3176, 0.4667, 0.2785
CMYK	0.05, 0.26, 0.00, 0.28
HSL	288°, 25%, 63%
HSV	288°, 26%, 72%
XYZ	34.9133, 30.0677, 49.3014
YIQ	152.8340, 7.2400, 22.9840

Conversions

Conversions Part 2

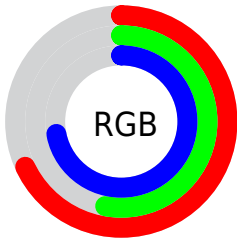
Format	Color
RYB	174, 136, 184
Decimal	11438264
CIELab	61.71, 23.12, -19.59
CIElCh	62, 30.303, 319.721
Yxy	30.0677, 0.3055, 0.2631
Android (android.graphics.Color)	4289628344 (0xFFAE88B8)
YUV	152.8340, 15.3648, 18.5626
Hunter-Lab	54.8340, 17.6929, -14.9240

Details

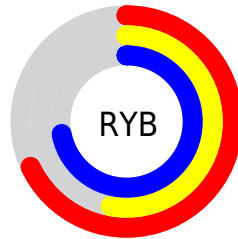
The Yxy color **30.0677, 0.3055, 0.2631** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **42.1591, 0.3176, 0.4005**, and the grayscale version is **31.7101, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9412, 0.3074, 0.2760**, and **12.3592, 0.3018, 0.2437** is the 20% darker color. If you saturate the color by 10%, you get **24.8914, 0.3017, 0.2369**, and if you desaturate by 10%, it is **36.1486, 0.3087, 0.2891**.

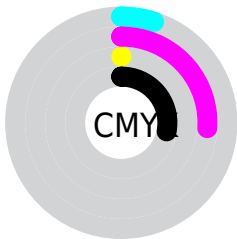
Distribution



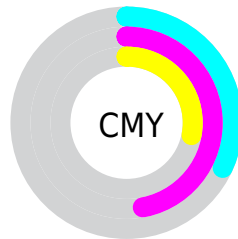
- Red (68%)
- Green (53%)
- Blue (72%)



- Red (68%)
- Yellow (53%)
- Blue (72%)



- Cyan (5%)
- Magenta (26%)
- Yellow (0%)
- Black (28%)





- Cyan (32%)
- Magenta (47%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0677, 0.3055, 0.2631 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 30.0677, 0.3055, 0.2631 by changing the saturation by 10% instead.


 30.0677, 0.3055,
0.2631


 30.0677, 0.3055,
0.2631

302.2199, 0.3100,
0.2967


 19.8900, 0.3041,
0.2545


 59.7692, 0.3073,
0.2755

 12.3151, 0.3021,
0.2434


 80.0618, 0.3080,
0.2801

 6.9587, 0.2991,
0.2286


 104.4948, 0.3085,
0.2839

 3.4363, 0.2941,
0.2077

133.4526, 0.3089,
0.2872

 1.3635, 0.2851,
0.1764

167.3197, 0.3092,
0.2901

 0.1896, 0.2811,
0.0716

206.4803, 0.3095,

 0.0000, 0.0000,

0.2926

0.0000

251.3189, 0.3098,
0.2948

■ 30.0677, 0.3055,
0.2631

■ 30.0677, 0.3055,
0.2631

■ 24.8914, 0.3017,
0.2369

■ 36.1486, 0.3087,
0.2891

■ 20.5703, 0.2974,
0.2114

■ 43.1725, 0.3114,
0.3143

■ 17.0560, 0.2926,
0.1877


■ 51.1802, 0.3135,
0.3382

■ 14.2941, 0.2874,
0.1667


■ 60.2092, 0.3152,
0.3604

■ 12.2227, 0.2820,
0.1495


■ 70.2947, 0.3165,
0.3809


 10.7707, 0.2764,
0.1366


 81.4704, 0.3175,
0.3996

 9.8457, 0.2710,
0.1282

 87.3642, 0.3192,
0.4075

 9.5514, 0.2689,
0.1255

 87.8994, 0.3216,
0.4069

 88.4478, 0.3240,
0.4063

Harmonies

Analogous

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



30.0677, 0.2612, 0.2511



30.0677, 0.3055, 0.2631



30.0677, 0.3554, 0.2896

Triad

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



30.0677, 0.3055, 0.2631



30.0677, 0.3975, 0.3986



30.0677, 0.2359, 0.3241

Complementary

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



30.0677, 0.3055, 0.2631



42.1591, 0.3176, 0.4005

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.



30.0677, 0.2680, 0.3730



30.0677, 0.3055, 0.2631



30.0677, 0.3613, 0.4172

Square

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



30.0677, 0.3055, 0.2631



30.0677, 0.4108, 0.3644



30.0677, 0.3137, 0.4091



30.0677, 0.2235, 0.2818

Rectangle

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



30.0677, 0.3055, 0.2631



30.0677, 0.3841, 0.3128



30.0677, 0.3137, 0.4091



30.0677, 0.2446, 0.3405

Sweetspot

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



30.0690, 0.3055, 0.2631



75.5201, 0.3108, 0.3092



29.3740, 0.2699, 0.2720



15.8561, 0.3105, 0.3055



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



30.0690, 0.3055, 0.2631



49.2166, 0.3035, 0.2488



30.7132, 0.3295, 0.2822



9.0661, 0.3105, 0.3062



6.6149, 0.2695, 0.1258



0.2572, 0.2835, 0.1336

Inverse Universe

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



29.8703, 0.3561, 0.3151



48.8539, 0.3685, 0.3121



41.6972, 0.2993, 0.3809



9.0419, 0.3256, 0.3243



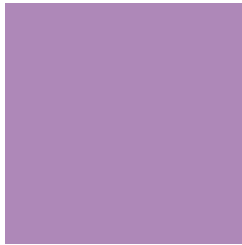
7.1290, 0.6026, 0.3093



0.2603, 0.5318, 0.2703

Previews

White Background



This preview shows how the Yxy color 30.0677, 0.3055, 0.2631 looks on a white background.

Color Contrast Check

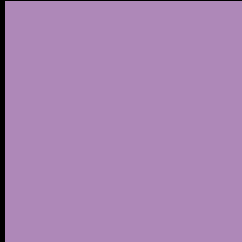
Large Text (above 18pt) WCAG AA × Fail

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 30.0677, 0.3055, 0.2631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

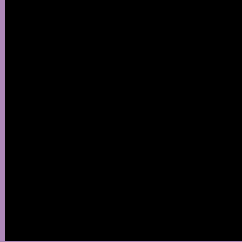
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.0677, 0.3055, 0.2631

Background



This preview shows how black text looks on a background with the Yxy color 30.0677, 0.3055, 0.2631.



This preview shows how white text looks on a background with the Yxy color 30.0677, 0.3055, 0.2631.

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

30.0677, 0.3055, 0.2631

Protanopia

30.3889, 0.2657, 0.2640

Deuteranopia

30.1382, 0.2813, 0.2756



Tritanopia

30.0809, 0.3306, 0.3129

Trichromacy



Original Color

30.0677, 0.3055, 0.2631

Protanomaly

30.2000, 0.2790, 0.2640

Deuteranomaly

29.9330, 0.2896, 0.2698

Tritanomaly

30.0944, 0.3218, 0.2946

Monochromacy



Original Color

30.0677, 0.3055, 0.2631

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.1248, 0.3108, 0.3039

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0677, 0.3055, 0.2631 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(174, 136, 184)` looks like.

```
.text, #text, p{  
    color:rgb(174, 136, 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(174, 136, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 136, 184) }
```

Border

The CSS property to change the border of an element to Yxy 30.0677, 0.3055, 0.2631 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(174, 136, 184) }
```

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

```
.border{ border-color:rgb(174, 136, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 136, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 136, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 136, 184);  
box-shadow:4px 4px 4px 4px rgb(174, 136,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0677, 0.3055, 0.2631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 136, 184) }
```

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

```
.background{ background-color: rgb(174,  
136, 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](#).

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