

Converting Colors

$Y_{xy}(29.9905, 0.3006, 0.2769)$

Have a look what the booklet for
Yxy(29.9905, 0.3006, 0.2769)
contains.

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Color

Yxy(30.0106, 0.3008, 0.2772)

Conversions

Conversions Part 1

Format	Color
Hex	A38DB1
RGB	163, 141, 177
RGB Percent	64%, 55%, 69%
CMY	0.3608, 0.4470, 0.3058
CMYK	0.08, 0.20, 0.00, 0.31
HSL	277°, 19%, 62%
HSV	277°, 20%, 69%
XYZ	32.5656, 30.0106, 45.6871
YIQ	151.6820, 1.5560, 15.8600

Conversions

Conversions Part 2

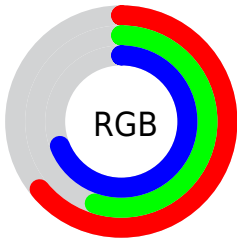
Format	Color
RYB	163, 141, 177
Decimal	10718641
CIELab	61.66, 15.12, -15.83
CIELCh	62, 21.887, 313.685
Yxy	30.0106, 0.3008, 0.2772
Android (android.graphics.Color)	4288908721 (0xFFA38DB1)
YUV	151.6820, 12.4818, 9.9259
Hunter-Lab	54.7819, 10.2426, -11.0994

Details

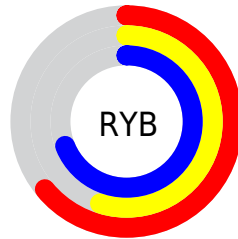
The Yxy color $30.0106, 0.3008, 0.2772$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $40.3529, 0.3225, 0.3821$, and the grayscale version is $31.2007, 0.3127, 0.3290$.

A 20% lighter version of the original color is $59.8188, 0.3032, 0.2872$, and $12.3169, 0.2967, 0.2623$ is the 20% darker color. If you saturate the color by 10%, you get $24.4931, 0.2934, 0.2497$, and if you desaturate by 10%, it is $36.4049, 0.3072, 0.3035$.

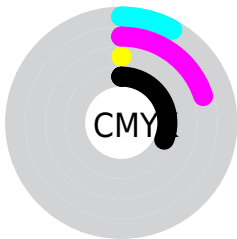
Distribution



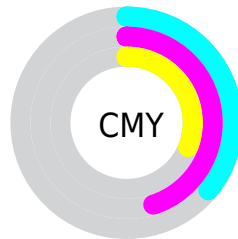
- Red (64%)
- Green (55%)
- Blue (69%)



- Red (64%)
- Yellow (55%)
- Blue (69%)



- Cyan (8%)
- Magenta (20%)
- Yellow (0%)
- Black (31%)





- Cyan (36%)
- Magenta (45%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.0106, 0.3008, 0.2772 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 30.0106, 0.3008, 0.2772 by changing the saturation by 10% instead.


 30.0106, 0.3008,
0.2772


 30.0106, 0.3008,
0.2772


301.9539, 0.3075,
0.3040


 19.8466, 0.2989,
0.2702

 59.6789, 0.3034,
0.2872

 12.2836, 0.2962,
0.2611


 79.9521, 0.3044,
0.2909

 6.9371, 0.2923,
0.2486


 104.3638, 0.3051,
0.2939

 3.4228, 0.2863,
0.2306

133.2984, 0.3057,
0.2966

 1.3563, 0.2757,
0.2028

167.1403, 0.3063,
0.2988

 0.1841, 0.2619,
0.0886

206.2739, 0.3067,

 0.0000, 0.0000,

0.3008

0.0000

251.0836, 0.3071,
0.3025

■ 30.0106, 0.3008,
0.2772

■ 30.0106, 0.3008,
0.2772

■ 24.4931, 0.2934,
0.2497

■ 36.4049, 0.3072,
0.3035

■ 19.8084, 0.2851,
0.2216

■ 43.7096, 0.3125,
0.3282

■ 15.9142, 0.2758,
0.1940

■ 51.9615, 0.3171,
0.3509

■ 12.7633, 0.2658,
0.1680

■ 61.1938, 0.3208,
0.3717

■ 10.3028, 0.2554,
0.1449

■ 71.4384, 0.3239,
0.3904

■ 8.4729, 0.2450,
0.1258

■ 82.7255, 0.3263,
0.4073

■ 7.2030, 0.2349,
0.1115

■ 88.5869, 0.3298,
0.4135

■ 6.3659, 0.2257,
0.1017

■ 89.6299, 0.3343,
0.4123

■ 90.7171, 0.3389,
0.4111

Harmonies

Analogous

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



30.0106, 0.2697, 0.2710



30.0106, 0.3008, 0.2772



30.0106, 0.3369, 0.2953

Triad

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



30.0106, 0.3008, 0.2772



30.0106, 0.3779, 0.3764



30.0106, 0.2601, 0.3333

Complementary

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



30.0106, 0.3008, 0.2772



40.3529, 0.3225, 0.3821

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.



30.0106, 0.2868, 0.3665



30.0106, 0.3008, 0.2772



30.0106, 0.3550, 0.3914

Square

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



30.0106, 0.3008, 0.2772



30.0106, 0.3828, 0.3506



30.0106, 0.3215, 0.3885



30.0106, 0.2474, 0.3010

Rectangle

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



30.0106, 0.3008, 0.2772



30.0106, 0.3586, 0.3121



30.0106, 0.3215, 0.3885



30.0106, 0.2677, 0.3449

Sweetspot

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



30.0119, 0.3008, 0.2772



70.5272, 0.3096, 0.3142



32.4196, 0.2808, 0.2964



15.1085, 0.3092, 0.3127



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



30.0119, 0.3008, 0.2772



49.5344, 0.2979, 0.2661



31.4354, 0.3186, 0.2841



8.4781, 0.3077, 0.3061



4.6464, 0.2267, 0.1023



0.1787, 0.2534, 0.1169

Inverse Universe

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



30.7697, 0.3373, 0.3091



51.1554, 0.3435, 0.3049



39.1519, 0.3073, 0.3784



8.5583, 0.3228, 0.3202



7.0947, 0.5384, 0.2740



0.2349, 0.4637, 0.2328

Previews

White Background



This preview shows how the Yxy color 30.0106, 0.3008, 0.2772 looks on a white background.

Color Contrast Check

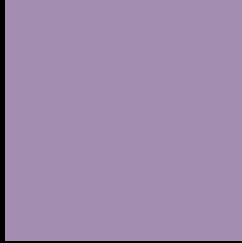
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.0106, 0.3008, 0.2772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

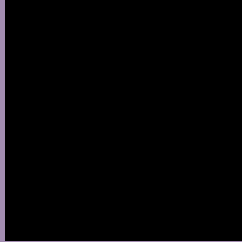
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.0106, 0.3008, 0.2772

Background



This preview shows how black text looks on a background with the Yxy color 30.0106, 0.3008, 0.2772.



This preview shows how white text looks on a background with the Yxy color 30.0106, 0.3008, 0.2772.

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

30.0106, 0.3008, 0.2772

Protanopia

30.2199, 0.2760, 0.2779

Deuteranopia

30.1764, 0.2891, 0.2843



Tritanopia

30.1247, 0.3177, 0.3125

Trichromacy



Original Color

30.0106, 0.3008, 0.2772

Protanomaly

29.9356, 0.2847, 0.2771

Deuteranomaly

30.0497, 0.2939, 0.2819

Tritanomaly

30.2039, 0.3110, 0.2994

Monochromacy



Original Color

30.0106, 0.3008, 0.2772

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.8209, 0.3086, 0.3094

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0106, 0.3008, 0.2772 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(163, 141, 177)` looks like.

```
.text, #text, p{  
    color:rgb(163, 141, 177)  
}
```

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(163, 141, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 141, 177) }
```

Border

The CSS property to change the border of an element to Yxy 30.0106, 0.3008, 0.2772 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(163, 141, 177) }
```

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

```
.border{ border-color:rgb(163, 141, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 141, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 141, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 141, 177); box-shadow:4px 4px 4px 4px rgb(163, 141, 177) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0106, 0.3008, 0.2772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 141, 177) }
```

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

```
.background{ background-color: rgb(163,  
141, 177) }
```

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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