

Converting Colors

$Y_{xy}(31.0692, 0.2878, 0.2336)$

Have a look what the booklet for
Yxy(31.0692, 0.2878, 0.2336)
contains.

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Color

Yxy(31.0692, 0.2878, 0.2336)

Conversions

Conversions Part 1

Format	Color
Hex	B286D0
RGB	178, 134, 208
RGB Percent	70%, 53%, 82%
CMY	0.3018, 0.4746, 0.1843
CMYK	0.14, 0.36, 0.00, 0.18
HSL	276°, 44%, 67%
HSV	276°, 36%, 82%
XYZ	38.2779, 31.0692, 63.6546
YIQ	155.5920, 2.4700, 32.3420

Conversions

Conversions Part 2

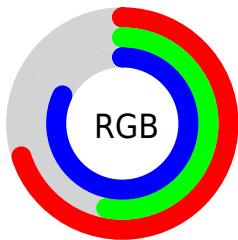
Format	Color
RYB	178, 134, 208
Decimal	11699920
CIELab	62.57, 30.59, -31.77
CIElCh	63, 44.107, 313.914
Yxy	31.0692, 0.2878, 0.2336
Android (android.graphics.Color)	4289890000 (0xFFB286D0)
YUV	155.5920, 25.8371, 19.6518
Hunter-Lab	55.7398, 25.0359, -28.6912

Details

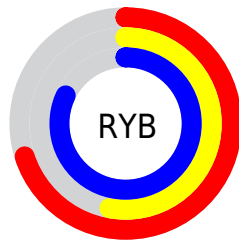
The Yxy color **31.0692, 0.2878, 0.2336** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **54.7196, 0.3300, 0.4283**, and the grayscale version is **32.9385, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.8486, 0.3007, 0.2603**, and **12.9256, 0.2785, 0.2089** is the 20% darker color. If you saturate the color by 10%, you get **24.9102, 0.2784, 0.2052**, and if you desaturate by 10%, it is **38.4226, 0.2962, 0.2620**.

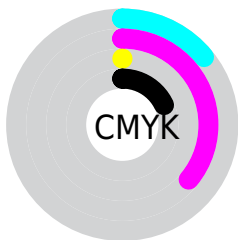
Distribution



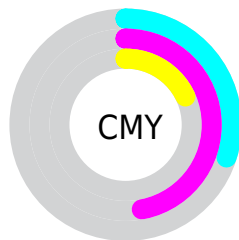
- Red (70%)
- Green (53%)
- Blue (82%)



- Red (70%)
- Yellow (53%)
- Blue (82%)



- Cyan (14%)
- Magenta (36%)
- Yellow (0%)
- Black (18%)





- Cyan (30%)
- Magenta (47%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.0692, 0.2878, 0.2336 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 31.0692, 0.2878, 0.2336 by changing the saturation by 10% instead.


 31.0692, 0.2878,
0.2336


 31.0692, 0.2878,
0.2336


306.8570, 0.3020,
0.2807

 20.6515, 0.2838,
0.2222


 61.3490, 0.2933,
0.2505

 12.8695, 0.2783,
0.2077


 81.9799, 0.2953,
0.2569

 7.3388, 0.2706,
0.1891


 106.7841, 0.2969,
0.2624

 3.6749, 0.2590,
0.1641

136.1459, 0.2983,
0.2671

 1.4934, 0.2403,
0.1299

170.4497, 0.2994,
0.2712

 0.2841, 0.2124,
0.0586

210.0798, 0.3004,

 0.0000, 0.0000,

0.2748

0.0000

255.4208, 0.3012,
0.2779

■ 31.0692, 0.2878,
0.2336

■ 31.0692, 0.2878,
0.2336

■ 24.9102, 0.2784,
0.2052

■ 38.4226, 0.2962,
0.2620

■ 19.8740, 0.2682,
0.1778

■ 47.0287, 0.3034,
0.2894

■ 15.8873, 0.2575,
0.1528


■ 56.9467, 0.3097,
0.3153


■ 12.8659, 0.2465,
0.1314


■ 68.2307, 0.3149,
0.3394

■ 10.7123, 0.2358,
0.1148


■ 80.9318, 0.3193,
0.3613


 9.3069, 0.2257,
0.1034

 92.6590, 0.3233,
0.3777

 8.8258, 0.2214,
0.0993

 94.0740, 0.3287,
0.3768

 95.5571, 0.3342,
0.3760

 97.1090, 0.3398,
0.3752

Harmonies

Analogous

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



31.0692, 0.2304, 0.2210



31.0692, 0.2878, 0.2336



31.0692, 0.3596, 0.2656

Triad

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



31.0692, 0.2878, 0.2336



31.0692, 0.4386, 0.4149



31.0692, 0.2113, 0.3335

Complementary

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



31.0692, 0.2878, 0.2336



54.7196, 0.3300, 0.4283

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.



31.0692, 0.2591, 0.4071



31.0692, 0.2878, 0.2336



31.0692, 0.3905, 0.4520

Square

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



31.0692, 0.2878, 0.2336



31.0692, 0.4525, 0.3638



31.0692, 0.3247, 0.4538



31.0692, 0.1905, 0.2693

Rectangle

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



31.0692, 0.2878, 0.2336



31.0692, 0.4046, 0.2951



31.0692, 0.3247, 0.4538



31.0692, 0.2245, 0.3585

Sweetspot

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



31.0705, 0.2878, 0.2336



81.3010, 0.3063, 0.3012



36.4684, 0.2547, 0.2682



16.9478, 0.3055, 0.2976



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



31.0705, 0.2878, 0.2336



41.3712, 0.2805, 0.2110



34.7125, 0.3227, 0.2480



11.7605, 0.3074, 0.3056



5.5583, 0.2227, 0.1001



0.3564, 0.2405, 0.1099

Inverse Universe

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



33.1343, 0.3627, 0.2915



45.3237, 0.3790, 0.2831



52.0776, 0.3039, 0.4263



11.8864, 0.3228, 0.3196



8.7765, 0.5342, 0.2717



0.5063, 0.4860, 0.2451

Previews

White Background



This preview shows how the Yxy color 31.0692, 0.2878, 0.2336 looks on a white background.

Color Contrast Check

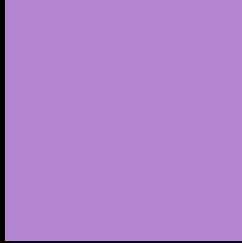
Large Text (above 18pt) WCAG AA × Fail

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 31.0692, 0.2878, 0.2336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

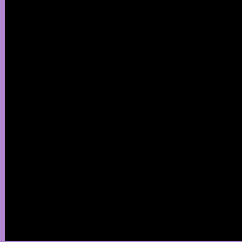
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.0692, 0.2878, 0.2336

Background



This preview shows how black text looks on a background with the Yxy color 31.0692, 0.2878, 0.2336.



This preview shows how white text looks on a background with the Yxy color 31.0692, 0.2878, 0.2336.

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

31.0692, 0.2878, 0.2336

Protanopia

31.2514, 0.2397, 0.2301

Deuteranopia

31.1369, 0.2551, 0.2488



Tritanopia

31.1971, 0.3282, 0.3131

Trichromacy



Original Color

31.0692, 0.2878, 0.2336

Protanomaly

31.0154, 0.2547, 0.2308

Deuteranomaly

30.9821, 0.2658, 0.2431

Tritanomaly

31.0291, 0.3129, 0.2814

Monochromacy



Original Color

31.0692, 0.2878, 0.2336

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.1675, 0.3036, 0.2903

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0692, 0.2878, 0.2336 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(178, 134, 208)` looks like.

```
.text, #text, p{  
    color:rgb(178, 134, 208)  
}
```

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(178, 134, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 134, 208) }
```

Border

The CSS property to change the border of an element to Yxy 31.0692, 0.2878, 0.2336 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(178, 134, 208) }
```

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

```
.border{ border-color:rgb(178, 134, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 134, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 134, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 134, 208);  
box-shadow:4px 4px 4px 4px rgb(178, 134,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 31.0692, 0.2878, 0.2336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 134, 208) }
```

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

```
.background{ background-color: rgb(178,  
134, 208) }
```

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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