

Converting Colors

$Y_{xy}(31.4695, 0.2955, 0.2443)$

Have a look what the booklet for
Yxy(31.4695, 0.2955, 0.2443)
contains.

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Color

Yxy(31.5287, 0.2958, 0.2444)

Conversions

Conversions Part 1

Format	Color
Hex	B488C9
RGB	180, 136, 201
RGB Percent	71%, 53%, 79%
CMY	0.2943, 0.4666, 0.2119
CMYK	0.10, 0.32, 0.00, 0.21
HSL	281°, 38%, 66%
HSV	281°, 32%, 79%
XYZ	38.1595, 31.5287, 59.3163
YIQ	156.5660, 5.3590, 29.5430

Conversions

Conversions Part 2

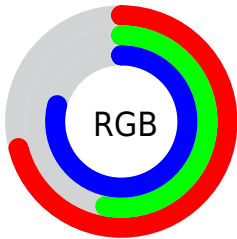
Format	Color
R_{YB}	180, 136, 201
Decimal	11831497
CIE _{Lab}	62.95, 28.55, -27.22
CIE _{LCh}	63, 39.446, 316.365
Yxy	31.5287, 0.2958, 0.2444
Android (android.graphics.Color)	4290021577 (0xFFB488C9)
YUV	156.5660, 21.9060, 20.5516
Hunter-Lab	56.1504, 23.0444, -23.3276

Details

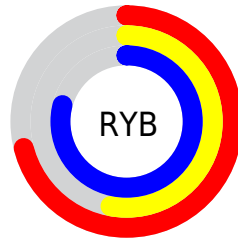
The Yxy color **31.5287, 0.2958, 0.2444** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **50.7116, 0.3244, 0.4192**, and the grayscale version is **33.4099, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.0514, 0.3022, 0.2626**, and **13.0392, 0.2883, 0.2196** is the 20% darker color. If you saturate the color by 10%, you get **25.6267, 0.2888, 0.2169**, and if you desaturate by 10%, it is **38.5314, 0.3020, 0.2718**.

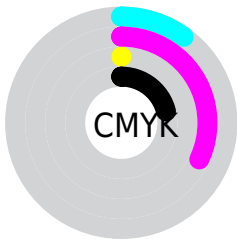
Distribution



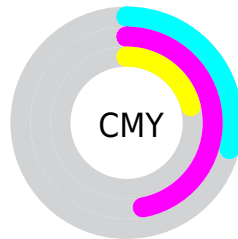
- Red (71%)
- Green (53%)
- Blue (79%)



- Red (71%)
- Yellow (53%)
- Blue (79%)



- Cyan (10%)
- Magenta (32%)
- Yellow (0%)
- Black (21%)




- Cyan (29%)
- Magenta (47%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.5287, 0.2958, 0.2444 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 31.5287, 0.2958, 0.2444 by changing the saturation by 10% instead.


 31.5287, 0.2958,
0.2444


 31.5287, 0.2958,
0.2444


308.9667, 0.3056,
0.2865


 21.0018, 0.2929,
0.2340


 62.0715, 0.2997,
0.2596

 13.1253, 0.2890,
0.2209

 82.8562, 0.3011,
0.2653

 7.5149, 0.2833,
0.2037


 107.8289, 0.3022,
0.2702

 3.7861, 0.2746,
0.1804

137.3740, 0.3031,
0.2744

 1.5547, 0.2600,
0.1475

171.8759, 0.3039,
0.2780

 0.3267, 0.2386,
0.0765

211.7191, 0.3045,

 0.0000, 0.0000,

0.2812

0.0000

257.2879, 0.3051,
0.2840

■ 31.5287, 0.2958,
0.2444

■ 31.5287, 0.2958,
0.2444

■ 25.6267, 0.2888,
0.2169

■ 38.5314, 0.3020,
0.2718

■ 20.7615, 0.2810,
0.1904

■ 46.6861, 0.3073,
0.2983

■ 16.8685, 0.2726,
0.1660


■ 56.0456, 0.3118,
0.3234


■ 13.8742, 0.2638,
0.1450


■ 66.6584, 0.3155,
0.3468


■ 11.6944, 0.2550,
0.1282


■ 78.5700, 0.3186,
0.3682


 10.2281, 0.2465,
0.1162

 90.7920, 0.3212,
0.3862

 9.4459, 0.2402,
0.1097

 91.8202, 0.3254,
0.3855

 92.8882, 0.3296,
0.3847

 93.9965, 0.3338,
0.3840

Harmonies

Analogous

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



31.5287, 0.2423, 0.2315



31.5287, 0.2958, 0.2444



31.5287, 0.3600, 0.2750

Triad

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



31.5287, 0.2958, 0.2444



31.5287, 0.4234, 0.4108



31.5287, 0.2191, 0.3284

Complementary

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



31.5287, 0.2958, 0.2444



50.7116, 0.3244, 0.4192

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.



31.5287, 0.2610, 0.3930



31.5287, 0.2958, 0.2444



31.5287, 0.3790, 0.4405

Square

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



31.5287, 0.2958, 0.2444



31.5287, 0.4378, 0.3657



31.5287, 0.3193, 0.4370



31.5287, 0.2018, 0.2726

Rectangle

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



31.5287, 0.2958, 0.2444



31.5287, 0.3988, 0.3025



31.5287, 0.3193, 0.4370



31.5287, 0.2306, 0.3502

Sweetspot

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



31.5300, 0.2958, 0.2444



83.2644, 0.3083, 0.3039



33.7954, 0.2594, 0.2667



17.3557, 0.3077, 0.3003



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.



31.5300, 0.2958, 0.2444



46.5061, 0.2908, 0.2245



33.7538, 0.3270, 0.2616



10.6380, 0.3087, 0.3059



5.9921, 0.2414, 0.1103



0.3216, 0.2584, 0.1197

Inverse Universe

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



32.4652, 0.3623, 0.3018



48.5052, 0.3784, 0.2956



49.0995, 0.3012, 0.4075



10.6926, 0.3240, 0.3215



8.0629, 0.5654, 0.2888



0.3951, 0.5055, 0.2558

Previews

White Background



This preview shows how the Yxy color 31.5287, 0.2958, 0.2444 looks on a white background.

Color Contrast Check

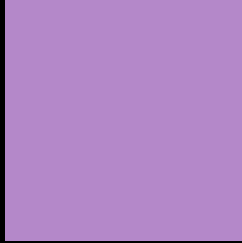
Large Text (above 18pt) WCAG AA × Fail

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 31.5287, 0.2958, 0.2444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

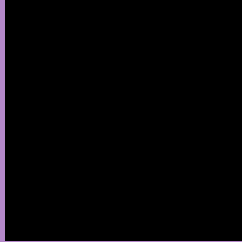
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5287, 0.2958, 0.2444

Background



This preview shows how black text looks on a background with the Yxy color 31.5287, 0.2958, 0.2444.



This preview shows how white text looks on a background with the Yxy color 31.5287, 0.2958, 0.2444.

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

31.5287, 0.2958, 0.2444

Protanopia

31.6345, 0.2492, 0.2416

Deuteranopia

31.7295, 0.2658, 0.2601



Tritanopia

31.5353, 0.3314, 0.3132

Trichromacy



Original Color

31.5287, 0.2958, 0.2444

Protanomaly

31.3842, 0.2645, 0.2422

Deuteranomaly

31.4422, 0.2756, 0.2538

Tritanomaly

31.5547, 0.3188, 0.2872

Monochromacy



Original Color

31.5287, 0.2958, 0.2444

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

32.5114, 0.3064, 0.2946

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5287, 0.2958, 0.2444 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(180, 136, 201)` looks like.

```
.text, #text, p{  
    color:rgb(180, 136, 201)  
}
```

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(180, 136, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 136, 201) }
```

Border

The CSS property to change the border of an element to Yxy 31.5287, 0.2958, 0.2444 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(180, 136, 201) }
```

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

```
.border{ border-color:rgb(180, 136, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 136, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 136, 201); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 136, 201); box-shadow:4px 4px 4px 4px rgb(180, 136, 201) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5287, 0.2958, 0.2444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 136, 201) }
```

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

```
.background{ background-color: rgb(180,  
136, 201) }
```

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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