

Converting Colors

$Y_{xy}(42.1291, 0.3040, 0.2891)$

Have a look what the booklet for
Yxy(42.1291, 0.3040, 0.2891)
contains.

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Color

Yxy(42.1538, 0.3039, 0.2894)

Conversions

Conversions Part 1

Format	Color
Hex	BAA7C6
RGB	186, 167, 198
RGB Percent	73%, 65%, 78%
CMY	0.2705, 0.3451, 0.2235
CMYK	0.06, 0.16, 0.00, 0.22
HSL	277°, 21%, 72%
HSV	277°, 16%, 78%
XYZ	44.2659, 42.1538, 59.2396
YIQ	176.2150, 1.3730, 13.6690

Conversions

Conversions Part 2

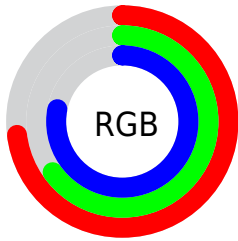
Format	Color
R_{YB}	186, 167, 198
Decimal	12232646
CIE _{Lab}	70.98, 12.67, -13.31
CIE _{LCh}	71, 18.376, 313.576
Yxy	42.1538, 0.3039, 0.2894
Android (android.graphics.Color)	4290422726 (0xFFBAA7C6)
YUV	176.2150, 10.7400, 8.5814
Hunter-Lab	64.9260, 8.0791, -8.6491

Details

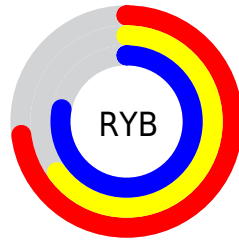
The Yxy color $42.1538, 0.3039, 0.2894$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $52.7696, 0.3203, 0.3694$, and the grayscale version is $43.4786, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.3398, 0.3053, 0.2961$, and $19.2616, 0.3015, 0.2787$ is the 20% darker color. If you saturate the color by 10%, you get $34.5135, 0.2970, 0.2622$, and if you desaturate by 10%, it is $50.9600, 0.3098, 0.3152$.

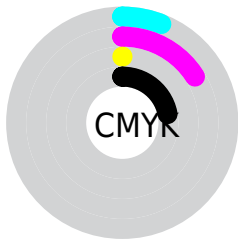
Distribution



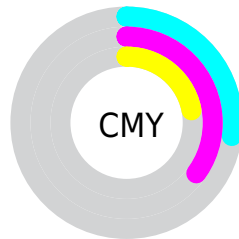
- Red (73%)
- Green (65%)
- Blue (78%)



- Red (73%)
- Yellow (65%)
- Blue (78%)



- Cyan (6%)
- Magenta (16%)
- Yellow (0%)
- Black (22%)





- Cyan (27%)
- Magenta (35%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1538, 0.3039, 0.2894 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 42.1538, 0.3039, 0.2894 by changing the saturation by 10% instead.


 42.1538, 0.3039,
0.2894

 42.1538, 0.3039,
0.2894


355.1201, 0.3086,
0.3090

 29.2217, 0.3027,
0.2846


 78.4323, 0.3057,
0.2965

 19.2486, 0.3010,
0.2784


 102.5476, 0.3063,
0.2991

 11.8501, 0.2988,
0.2703

131.1594, 0.3068,
0.3014

 6.6417, 0.2955,
0.2591

164.6521, 0.3073,
0.3034

 3.2390, 0.2903,
0.2428

203.4102, 0.3077,
0.3050

 1.2578, 0.2810,
0.2168

247.8179, 0.3080,

 0.1081, 0.2622,

0.3065

0.0688

298.2598, 0.3083,
0.3078

0.0000, 0.0000,
0.0000

42.1538, 0.3039,
0.2894

42.1538, 0.3039,
0.2894

34.5135, 0.2970,
0.2622

50.9600, 0.3098,
0.3152

27.9825, 0.2891,
0.2340

60.9747, 0.3148,
0.3391

22.5075, 0.2802,
0.2059

72.2448, 0.3189,
0.3611

18.0288, 0.2705,
0.1789

84.8132, 0.3223,
0.3811

14.4802, 0.2602,
0.1543

91.4964, 0.3263,
0.3888

■ 11.7874, 0.2498,
0.1333

■ 92.7504, 0.3313,
0.3878

■ 9.8643, 0.2395,
0.1170

■ 94.0604, 0.3363,
0.3869

■ 8.6043, 0.2298,
0.1057

■ 95.4269, 0.3414,
0.3859

■ 8.1730, 0.2257,
0.1017

■ 96.8506, 0.3466,
0.3850

Harmonies

Analogous

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



42.1538, 0.2803, 0.2849



42.1538, 0.3039, 0.2894



42.1538, 0.3309, 0.3033

Triad

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



42.1538, 0.3039, 0.2894



42.1538, 0.3617, 0.3651



42.1538, 0.2731, 0.3326

Complementary

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



42.1538, 0.3039, 0.2894



52.7696, 0.3203, 0.3694

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.



42.1538, 0.2936, 0.3569



42.1538, 0.3039, 0.2894



42.1538, 0.3448, 0.3756

Square

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



42.1538, 0.3039, 0.2894



42.1538, 0.3651, 0.3459



42.1538, 0.3198, 0.3730



42.1538, 0.2631, 0.3085

Rectangle

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



42.1538, 0.3039, 0.2894



42.1538, 0.3470, 0.3164



42.1538, 0.3198, 0.3730



42.1538, 0.2789, 0.3411

Sweetspot

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



42.1556, 0.3039, 0.2894



91.2097, 0.3101, 0.3167



44.6961, 0.2882, 0.3043



19.2677, 0.3097, 0.3149



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.



42.1556, 0.3039, 0.2894



69.5048, 0.3015, 0.2797



43.5808, 0.3171, 0.2944



10.6039, 0.3077, 0.3058



5.3646, 0.2269, 0.1024



0.2949, 0.2465, 0.1132

Inverse Universe

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



42.8991, 0.3310, 0.3138



71.1202, 0.3361, 0.3102



51.5175, 0.3086, 0.3663



10.7037, 0.3230, 0.3201



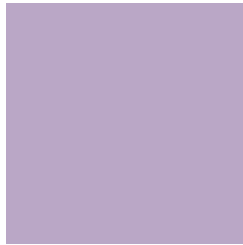
8.1680, 0.5409, 0.2753



0.4009, 0.4848, 0.2444

Previews

White Background



This preview shows how the Yxy color 42.1538, 0.3039, 0.2894 looks on a white background.

Color Contrast Check

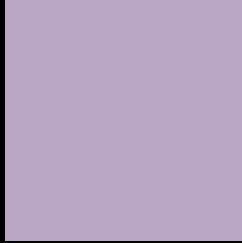
Large Text (above 18pt) WCAG AA × Fail

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 42.1538, 0.3039, 0.2894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

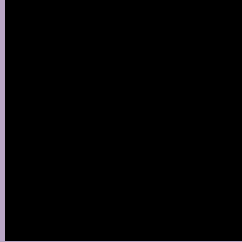
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.1538, 0.3039, 0.2894

Background



This preview shows how black text looks on a background with the Yxy color 42.1538, 0.3039, 0.2894.



This preview shows how white text looks on a background with the Yxy color 42.1538, 0.3039, 0.2894.

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

42.1538, 0.3039, 0.2894

Protanopia

42.0941, 0.2857, 0.2894

Deuteranopia

42.0369, 0.2978, 0.2913



Tritanopia

42.3587, 0.3144, 0.3120

Trichromacy



Original Color

42.1538, 0.3039, 0.2894

Protanomaly

42.0805, 0.2921, 0.2886

Deuteranomaly

42.0276, 0.3004, 0.2903

Tritanomaly

42.3211, 0.3112, 0.3043

Monochromacy



Original Color

42.1538, 0.3039, 0.2894

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

43.0511, 0.3099, 0.3145

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1538, 0.3039, 0.2894 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(186, 167, 198)` looks like.

```
.text, #text, p{  
    color:rgb(186, 167, 198)  
}
```

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(186, 167, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 167, 198) }
```

Border

The CSS property to change the border of an element to Yxy 42.1538, 0.3039, 0.2894 is called "border". The border property can be set on classes, ids or directly on the HTML element.

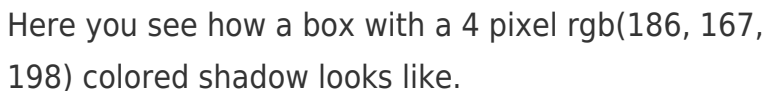
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 167, 198) }
```

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

```
.border{ border-color:rgb(186, 167, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(186, 167, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(186, 167, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(186, 167, 198); box-shadow:4px 4px 4px 4px rgb(186, 167, 198) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1538, 0.3039, 0.2894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 167, 198) }
```

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

```
.background{ background-color: rgb(186,  
167, 198) }
```

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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