

Converting Colors

$Y_{xy}(49.0393, 0.2955, 0.3004)$

Have a look what the booklet for
Yxy(49.0393, 0.2955, 0.3004)
contains.

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Color

Yxy(48.9763, 0.2954, 0.3003)

Conversions

Conversions Part 1

Format	Color
Hex	B8B8CF
RGB	184, 184, 207
RGB Percent	72%, 72%, 81%
CMY	0.2782, 0.2785, 0.1883
CMYK	0.11, 0.11, 0.00, 0.19
HSL	240°, 19%, 77%
HSV	240°, 11%, 81%
XYZ	48.1772, 48.9763, 65.9378
YIQ	186.6220, -7.3830, 7.1530

Conversions

Conversions Part 2

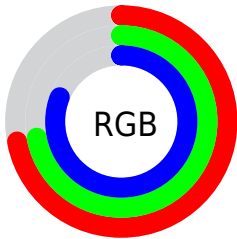
Format	Color
RYB	184, 184, 207
Decimal	12105935
CIELab	75.44, 4.54, -11.56
CIELCh	75, 12.418, 291.436
Yxy	48.9763, 0.2954, 0.3003
Android (android.graphics.Color)	4290296015 (0xFFB8B8CF)
YUV	186.6220, 10.0464, -2.2995
Hunter-Lab	69.9831, 0.4111, -6.8747

Details

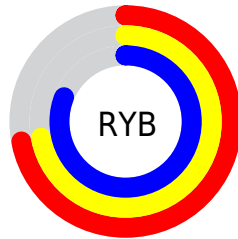
The Yxy color $48.9763, 0.2954, 0.3003$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $61.3364, 0.3291, 0.3562$, and the grayscale version is $49.4199, 0.3127, 0.3290$.

A 20% lighter version of the original color is $88.0654, 0.3037, 0.3142$, and $23.3578, 0.2903, 0.2920$ is the 20% darker color. If you saturate the color by 10%, you get $38.6318, 0.2776, 0.2709$, and if you desaturate by 10%, it is $60.9553, 0.3111, 0.3263$.

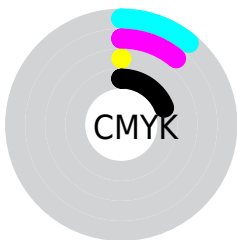
Distribution



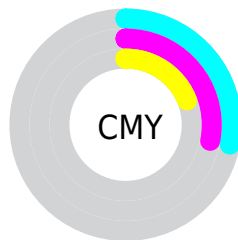
- Red (72%)
- Green (72%)
- Blue (81%)



- Red (72%)
- Yellow (72%)
- Blue (81%)



- Cyan (11%)
- Magenta (11%)
- Yellow (0%)
- Black (19%)



- Cyan (28%)
- Magenta (28%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.9763, 0.2954, 0.3003 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 48.9763, 0.2954, 0.3003 by changing the saturation by 10% instead.

■ 48.9763, 0.2954,
0.3003

■ 48.9763, 0.2954,
0.3003

382.6490, 0.3040,
0.3144

■ 34.6007, 0.2933,
0.2969

■ 88.6563, 0.2985,
0.3053

■ 23.3554, 0.2905,
0.2926

114.7294, 0.2997,
0.3072

■ 14.8562, 0.2869,
0.2869

145.4705, 0.3007,
0.3089

■ 8.7185, 0.2819,
0.2791

181.2639, 0.3015,
0.3103

■ 4.5580, 0.2746,
0.2679

222.4941, 0.3023,
0.3115

■ 1.9904, 0.2627,
0.2504

269.5454, 0.3029,

■ 0.6019, 0.2405,

0.3126

0.2120

322.8022, 0.3035,
0.3135

0.0000, 0.0000,
0.0000

48.9763, 0.2954,
0.3003

48.9763, 0.2954,
0.3003

38.6318, 0.2776,
0.2709

60.9553, 0.3111,
0.3263

29.8452, 0.2580,
0.2383

74.6289, 0.3248,
0.3490

22.5429, 0.2369,
0.2035

90.0615, 0.3366,
0.3685

16.6430, 0.2154,
0.1679

97.2845, 0.3412,
0.3761

12.0557, 0.1949,
0.1339

■ 8.6807, 0.1769,
0.1042

■ 6.4034, 0.1630,
0.0812

■ 5.0872, 0.1541,
0.0667

■ 4.5077, 0.1501,
0.0600

Harmonies

Analogous

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



48.9763, 0.2839, 0.3030



48.9763, 0.2954, 0.3003



48.9763, 0.3118, 0.3049

Triad

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



48.9763, 0.2954, 0.3003



48.9763, 0.3466, 0.3440



48.9763, 0.2965, 0.3430

Complementary

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



48.9763, 0.2954, 0.3003



61.3364, 0.3291, 0.3562

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.



48.9763, 0.3130, 0.3548



48.9763, 0.2954, 0.3003



48.9763, 0.3421, 0.3549

Square

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



48.9763, 0.2954, 0.3003



48.9763, 0.3416, 0.3296



48.9763, 0.3297, 0.3591



48.9763, 0.2846, 0.3273

Rectangle

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



48.9763, 0.2954, 0.3003



48.9763, 0.3233, 0.3114



48.9763, 0.3297, 0.3591



48.9763, 0.3017, 0.3476

Sweetspot

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



48.9784, 0.2954, 0.3003



93.7971, 0.3082, 0.3216



59.3141, 0.2958, 0.3290



19.7306, 0.3070, 0.3195



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.



48.9784, 0.2954, 0.3003



74.9016, 0.2919, 0.2946



50.4496, 0.3046, 0.3011



11.4191, 0.2982, 0.3050



2.8410, 0.1501, 0.0601



0.1593, 0.1504, 0.0602

Inverse Universe

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



52.0431, 0.3140, 0.3020



80.6377, 0.3143, 0.2969



59.7482, 0.3202, 0.3569



12.0086, 0.3138, 0.3062



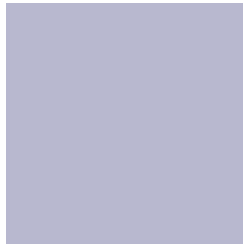
11.1808, 0.3215, 0.1545



0.6253, 0.3214, 0.1544

Previews

White Background



This preview shows how the Yxy color 48.9763, 0.2954, 0.3003 looks on a white background.

Color Contrast Check

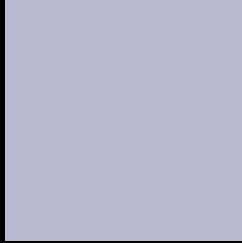
Large Text (above 18pt) WCAG AA × Fail

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 48.9763, 0.2954, 0.3003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

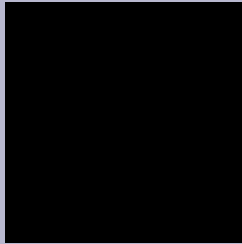
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.9763, 0.2954, 0.3003

Background



This preview shows how black text looks on a background with the Yxy color 48.9763, 0.2954, 0.3003.

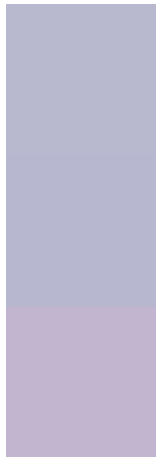


This preview shows how white text looks on a background with the Yxy color 48.9763, 0.2954, 0.3003.

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

48.9763, 0.2954, 0.3003

Protanopia

48.8533, 0.2946, 0.3002

Deuteranopia

49.0711, 0.3026, 0.2961



Tritanopia

48.9353, 0.2997, 0.3100

Trichromacy



Original Color

48.9763, 0.2954, 0.3003

Protanomaly

48.8533, 0.2946, 0.3002

Deuteranomaly

48.9571, 0.2994, 0.2970

Tritanomaly

49.0770, 0.2975, 0.3064

Monochromacy



Original Color

48.9763, 0.2954, 0.3003

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.4520, 0.3066, 0.3189

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9763, 0.2954, 0.3003 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(184, 184, 207)` looks like.

```
.text, #text, p{  
    color:rgb(184, 184, 207)  
}
```

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(184, 184, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 184, 207) }
```

Border

The CSS property to change the border of an element to Yxy 48.9763, 0.2954, 0.3003 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(184, 184, 207) }
```

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

```
.border{ border-color:rgb(184, 184, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 184, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 184, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 184, 207);  
box-shadow:4px 4px 4px 4px rgb(184, 184,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9763, 0.2954, 0.3003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 184, 207) }
```

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

```
.background{ background-color: rgb(184,  
184, 207) }
```

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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