

Converting Colors

$Y_{xy}(48.2595, 0.2854, 0.3020)$

Have a look what the booklet for
Yxy(48.2595, 0.2854, 0.3020)
contains.

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Color

Yxy(48.2807, 0.2854, 0.3021)

Conversions

Conversions Part 1

Format	Color
Hex	ABBACF
RGB	171, 186, 207
RGB Percent	67%, 73%, 81%
CMY	0.3294, 0.2706, 0.1884
CMYK	0.17, 0.10, 0.00, 0.19
HSL	215°, 27%, 74%
HSV	215°, 17%, 81%
XYZ	45.6118, 48.2807, 65.9245
YIQ	183.9090, -15.6810, 3.3510

Conversions

Conversions Part 2

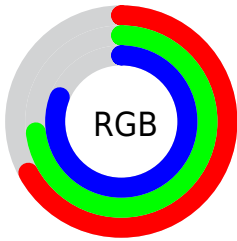
Format	Color
RYB	171, 182, 207
Decimal	11254479
CIELab	75.00, -0.79, -12.30
CIELCh	75, 12.323, 266.313
Yxy	48.2807, 0.2854, 0.3021
Android (android.graphics.Color)	4289444559 (0xFFABBACF)
YUV	183.9090, 11.3839, -11.3212
Hunter-Lab	69.4843, -4.4244, -7.6134

Details

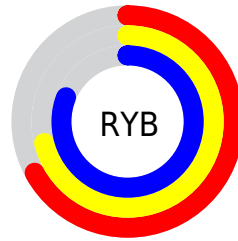
The Yxy color `48.2807, 0.2854, 0.3021` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `53.8800, 0.3416, 0.3545`, and the grayscale version is `47.8223, 0.3127, 0.3290`.

A 20% lighter version of the original color is `87.0552, 0.2956, 0.3158`, and `22.9265, 0.2772, 0.2941` is the 20% darker color. If you saturate the color by 10%, you get `41.2689, 0.2687, 0.2842`, and if you desaturate by 10%, it is `56.0892, 0.3014, 0.3182`.

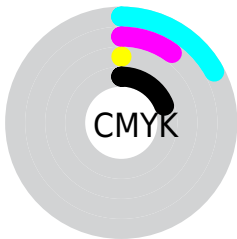
Distribution



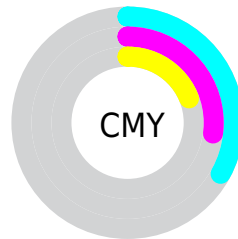
- Red (67%)
- Green (73%)
- Blue (81%)



- Red (67%)
- Yellow (71%)
- Blue (81%)



- Cyan (17%)
- Magenta (10%)
- Yellow (0%)
- Black (19%)



- Cyan (33%)
- Magenta (27%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.2807, 0.2854, 0.3021 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 48.2807, 0.2854, 0.3021 by changing the saturation by 10% instead.

■ 48.2807, 0.2854,
0.3021

■ 48.2807, 0.2854,
0.3021

379.9037, 0.2989,
0.3154

■ 34.0492, 0.2821,
0.2988

■ 87.6222, 0.2903,
0.3069

■ 22.9314, 0.2779,
0.2946

113.5010, 0.2921,
0.3087

■ 14.5429, 0.2723,
0.2891

144.0311, 0.2937,
0.3103

■ 8.4992, 0.2646,
0.2815

179.5967, 0.2950,
0.3116

■ 4.4160, 0.2535,
0.2703

220.5824, 0.2962,
0.3127

■ 1.9089, 0.2358,
0.2525

267.3726, 0.2972,

■ 0.5537, 0.1939,

0.3137

0.2118

320.3515, 0.2981,
0.3146

0.0000, 0.0000,
0.0000

48.2807, 0.2854,
0.3021

48.2807, 0.2854,
0.3021

41.2689, 0.2687,
0.2842

56.0892, 0.3014,
0.3182

35.0205, 0.2517,
0.2646

64.7143, 0.3166,
0.3326

29.5082, 0.2347,
0.2436

74.1828, 0.3308,
0.3453

24.7007, 0.2184,
0.2214

84.5181, 0.3439,
0.3565

20.5640, 0.2033,
0.1987

91.8593, 0.3427,
0.3680

■ 17.0608, 0.1901,
0.1763

■ 97.2834, 0.3412,
0.3761

■ 14.1486, 0.1794,
0.1548

■ 11.7733, 0.1713,
0.1350

■ 11.2197, 0.1695,
0.1301

Harmonies

Analogous

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



48.2807, 0.2802, 0.3107



48.2807, 0.2854, 0.3021



48.2807, 0.2979, 0.3007

Triad

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



48.2807, 0.2854, 0.3021



48.2807, 0.3430, 0.3320



48.2807, 0.3101, 0.3533

Complementary

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



48.2807, 0.2854, 0.3021



53.8800, 0.3416, 0.3545

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.



48.2807, 0.3271, 0.3589



48.2807, 0.2854, 0.3021



48.2807, 0.3464, 0.3460

Square

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



48.2807, 0.2854, 0.3021



48.2807, 0.3312, 0.3177



48.2807, 0.3405, 0.3561



48.2807, 0.2942, 0.3406

Rectangle

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



48.2807, 0.2854, 0.3021



48.2807, 0.3088, 0.3037



48.2807, 0.3405, 0.3561



48.2807, 0.3159, 0.3561

Sweetspot

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



48.2827, 0.2854, 0.3021



93.0130, 0.3050, 0.3217



57.0454, 0.2968, 0.3488



19.7043, 0.3039, 0.3207



0.0000, 0.0000, 0.0000



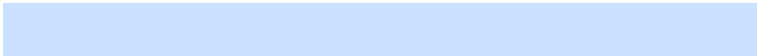
21.4041, 0.3127, 0.3290

Same Dimension

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



48.2827, 0.2854, 0.3021



72.9036, 0.2790, 0.2954



42.5574, 0.2864, 0.2825



12.2168, 0.2982, 0.3151



7.2490, 0.1702, 0.1326



0.5605, 0.1803, 0.1691

Inverse Universe

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



45.9308, 0.3325, 0.3107



68.6144, 0.3379, 0.3064



60.4676, 0.3367, 0.3721



11.8889, 0.3226, 0.3193



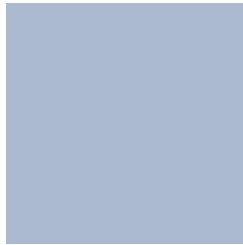
8.8031, 0.5290, 0.2688



0.5079, 0.4817, 0.2428

Previews

White Background



This preview shows how the Yxy color 48.2807, 0.2854, 0.3021 looks on a white background.

Color Contrast Check

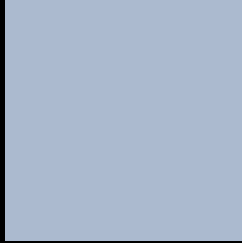
Large Text (above 18pt) WCAG AA × Fail

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 48.2807, 0.2854, 0.3021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

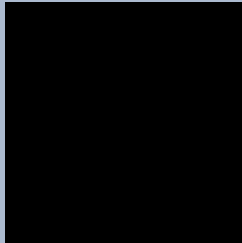
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

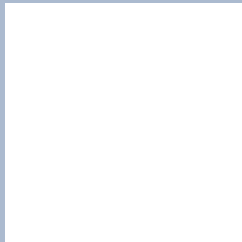
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.2807, 0.2854, 0.3021

Background



This preview shows how black text looks on a background with the Yxy color 48.2807, 0.2854, 0.3021.



This preview shows how white text looks on a background with the Yxy color 48.2807, 0.2854, 0.3021.

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

48.2807, 0.2854, 0.3021

Protanopia

48.2198, 0.2952, 0.3013

Deuteranopia

48.2729, 0.3002, 0.2946



Tritanopia

48.3510, 0.2882, 0.3096

Trichromacy



Original Color

48.2807, 0.2854, 0.3021

Protanomaly

48.2022, 0.2914, 0.3011

Deuteranomaly

48.2003, 0.2946, 0.2966

Tritanomaly

48.4463, 0.2868, 0.3070

Monochromacy



Original Color

48.2807, 0.2854, 0.3021

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.0874, 0.3024, 0.3200

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2807, 0.2854, 0.3021 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(171, 186, 207)` looks like.

```
.text, #text, p{  
    color:rgb(171, 186, 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(171, 186, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 186, 207) }
```

Border

The CSS property to change the border of an element to Yxy 48.2807, 0.2854, 0.3021 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(171, 186, 207) }
```

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

```
.border{ border-color:rgb(171, 186, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 186, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 186, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 186, 207);  
box-shadow:4px 4px 4px 4px rgb(171, 186,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2807, 0.2854, 0.3021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 186, 207) }
```

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

```
.background{ background-color: rgb(171,  
186, 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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