

Converting Colors

$Y_{xy}(48.6496, 0.2808, 0.3175)$

Have a look what the booklet for
Yxy(48.6496, 0.2808, 0.3175)
contains.

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Color

Yxy(48.7008, 0.2809, 0.3170)

Conversions

Conversions Part 1

Format	Color
Hex	9EBFC8
RGB	158, 191, 200
RGB Percent	62%, 75%, 78%
CMY	0.3805, 0.2510, 0.2156
CMYK	0.21, 0.05, 0.00, 0.22
HSL	193°, 28%, 70%
HSV	193°, 21%, 78%
XYZ	43.1547, 48.7008, 61.7747
YIQ	182.1590, -22.5570, -4.1970

Conversions

Conversions Part 2

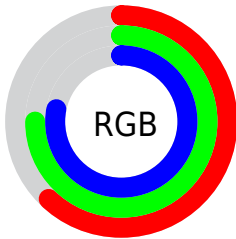
Format	Color
RYB	158, 176, 200
Decimal	10403784
CIELab	75.26, -9.09, -8.22
CIElCh	75, 12.250, 222.123
Yxy	48.7008, 0.2809, 0.3170
Android (android.graphics.Color)	4288593864 (0xFF9EBFC8)
YUV	182.1590, 8.7956, -21.1874
Hunter-Lab	69.7860, -11.7433, -3.6335

Details

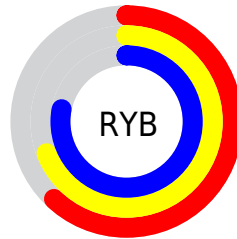
The Yxy color **48.7008, 0.2809, 0.3170** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.3812, 0.3522, 0.3407**, and the grayscale version is **46.8302, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8877, 0.2874, 0.3207**, and **23.3165, 0.2726, 0.3144** is the 20% darker color. If you saturate the color by 10%, you get **44.9955, 0.2665, 0.3105**, and if you desaturate by 10%, it is **52.7949, 0.2959, 0.3230**.

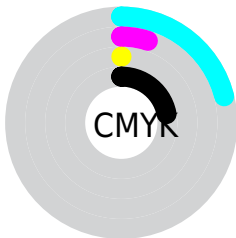
Distribution



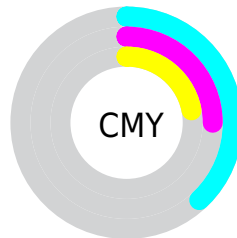
- Red (62%)
- Green (75%)
- Blue (78%)



- Red (62%)
- Yellow (69%)
- Blue (78%)



- Cyan (21%)
- Magenta (5%)
- Yellow (0%)
- Black (22%)




- Cyan (38%)
- Magenta (25%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.7008, 0.2809, 0.3170 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 48.7008, 0.2809, 0.3170 by changing the saturation by 10% instead.


 48.7008, 0.2809,
0.3170

 48.7008, 0.2809,
0.3170


381.5632, 0.2965,
0.3231

 34.3822, 0.2771,
0.3154


 88.2469, 0.2865,
0.3193

 23.1874, 0.2722,
0.3134


 114.2432, 0.2886,
0.3201

 14.7319, 0.2658,
0.3107


144.9009, 0.2905,
0.3208

 8.6315, 0.2571,
0.3068

180.6043, 0.2920,
0.3214

 4.5016, 0.2444,
0.3009

221.7378, 0.2934,
0.3219

 1.9579, 0.2243,
0.2909

268.6859, 0.2946,

 0.5828, 0.1548,

0.3224

0.2717

321.8329, 0.2956,
0.3228

0.0000, 0.0000,
0.0000

48.7008, 0.2809,
0.3170

48.7008, 0.2809,
0.3170

44.9955, 0.2665,
0.3105

52.7949, 0.2959,
0.3230

41.6565, 0.2530,
0.3036

57.2870, 0.3112,
0.3285

38.6681, 0.2406,
0.2962

62.1937, 0.3265,
0.3334

36.0109, 0.2298,
0.2886

67.5284, 0.3416,
0.3378

33.6633, 0.2208,
0.2808

72.7330, 0.3540,
0.3418

■ 31.6007, 0.2136,
0.2729

■ 74.9095, 0.3531,
0.3462

■ 29.7940, 0.2084,
0.2651

■ 77.1432, 0.3522,
0.3505

■ 28.3401, 0.2050,
0.2581

■ 79.4348, 0.3513,
0.3547

■ 81.7845, 0.3504,
0.3589

Harmonies

Analogous

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



48.7008, 0.2879, 0.3323



48.7008, 0.2809, 0.3170



48.7008, 0.2822, 0.3056

Triad

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



48.7008, 0.2809, 0.3170



48.7008, 0.3236, 0.3119



48.7008, 0.3340, 0.3583

Complementary

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



48.7008, 0.2809, 0.3170



42.3812, 0.3522, 0.3407

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.



48.7008, 0.3441, 0.3518



48.7008, 0.2809, 0.3170



48.7008, 0.3381, 0.3251

Square

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



48.7008, 0.2809, 0.3170



48.7008, 0.3065, 0.3030



48.7008, 0.3456, 0.3396



48.7008, 0.3183, 0.3568

Rectangle

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



48.7008, 0.2809, 0.3170



48.7008, 0.2875, 0.3015



48.7008, 0.3456, 0.3396



48.7008, 0.3381, 0.3570

Sweetspot

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



48.7028, 0.2809, 0.3170



95.1394, 0.3034, 0.3258



51.3482, 0.3042, 0.3748



20.2539, 0.3024, 0.3254



0.0000, 0.0000, 0.0000



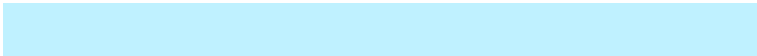
21.4041, 0.3127, 0.3290

Same Dimension

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



48.7028, 0.2809, 0.3170



81.4430, 0.2745, 0.3142



40.4097, 0.2790, 0.2890



11.6670, 0.2984, 0.3239



18.1524, 0.2054, 0.2592



0.9585, 0.2098, 0.2754

Inverse Universe

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



40.4907, 0.3231, 0.2879



65.0022, 0.3257, 0.2791



50.4603, 0.3471, 0.3660



10.7762, 0.3170, 0.3110



9.3725, 0.3831, 0.1884



0.4538, 0.3677, 0.1799

Previews

White Background



This preview shows how the Yxy color 48.7008, 0.2809, 0.3170 looks on a white background.

Color Contrast Check

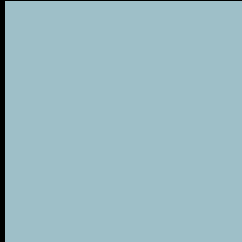
Large Text (above 18pt) WCAG AA × Fail

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 48.7008, 0.2809, 0.3170 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

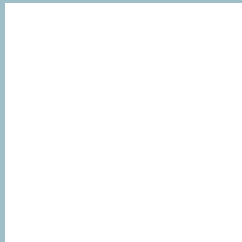
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.7008, 0.2809, 0.3170

Background



This preview shows how black text looks on a background with the Yxy color 48.7008, 0.2809, 0.3170.



This preview shows how white text looks on a background with the Yxy color 48.7008, 0.2809, 0.3170.

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

48.7008, 0.2809, 0.3170

Protanopia

48.5808, 0.3043, 0.3138

Deuteranopia

48.5089, 0.3081, 0.3020



Tritanopia

48.6056, 0.2782, 0.3093

Trichromacy



Original Color

48.7008, 0.2809, 0.3170

Protanomaly

48.6858, 0.2956, 0.3161

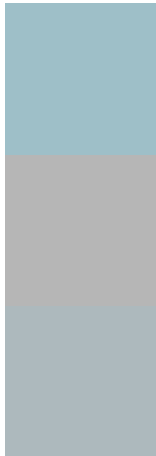
Deuteranomaly

48.4431, 0.2982, 0.3075

Tritanomaly

48.5096, 0.2796, 0.3118

Monochromacy



Original Color

48.7008, 0.2809, 0.3170

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.2563, 0.2998, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7008, 0.2809, 0.3170 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(158, 191, 200)` looks like.

```
.text, #text, p{  
    color:rgb(158, 191, 200)  
}
```

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(158, 191, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 191, 200) }
```

Border

The CSS property to change the border of an element to Yxy 48.7008, 0.2809, 0.3170 is called "border". The border property can be set on classes, ids or directly on the HTML element.

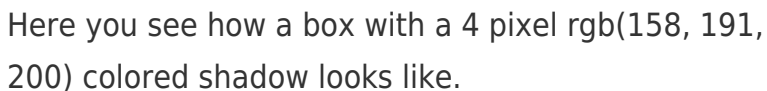
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 191, 200) }
```

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

```
.border{ border-color:rgb(158, 191, 200) }
```

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



Here you see how a box with a 4 pixel `rgb(158, 191, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 191, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 191, 200);  
box-shadow:4px 4px 4px 4px rgb(158, 191,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7008, 0.2809, 0.3170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 191, 200) }
```

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

```
.background{ background-color: rgb(158,  
191, 200) }
```

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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