

Converting Colors

$Yxy(48.7872, 0.2772, 0.3180)$

Have a look what the booklet for
Yxy(48.7872, 0.2772, 0.3180)
contains.

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Color

Yxy(48.6417, 0.2775, 0.3182)

Conversions

Conversions Part 1

Format	Color
Hex	99C0C8
RGB	153, 192, 200
RGB Percent	60%, 75%, 78%
CMY	0.3998, 0.2471, 0.2156
CMYK	0.23, 0.04, 0.00, 0.22
HSL	190°, 30%, 69%
HSV	190°, 23%, 78%
XYZ	42.4201, 48.6417, 61.8034
YIQ	181.2510, -25.8120, -5.7800

Conversions

Conversions Part 2

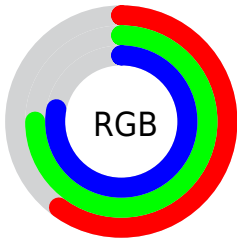
Format	Color
RYB	153, 174, 200
Decimal	10076360
CIELab	75.23, -11.12, -8.31
CIELCh	75, 13.879, 216.756
Yxy	48.6417, 0.2775, 0.3182
Android (android.graphics.Color)	4288266440 (0xFF99C0C8)
YUV	181.2510, 9.2433, -24.7761
Hunter-Lab	69.7436, -13.4824, -3.7194

Details

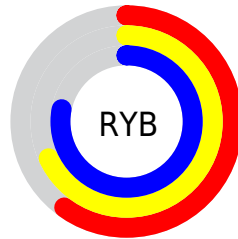
The Yxy color $48.6417, 0.2775, 0.3182$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $40.0987, 0.3585, 0.3395$, and the grayscale version is $46.3171, 0.3127, 0.3290$.

A 20% lighter version of the original color is $87.7647, 0.2845, 0.3217$, and $23.3073, 0.2683, 0.3161$ is the 20% darker color. If you saturate the color by 10%, you get $45.3740, 0.2636, 0.3130$, and if you desaturate by 10%, it is $52.2744, 0.2922, 0.3231$.

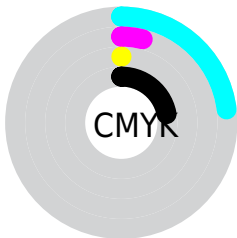
Distribution



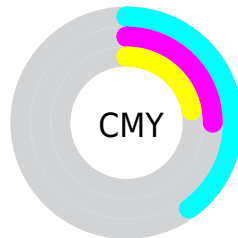
- Red (60%)
- Green (75%)
- Blue (78%)



- Red (60%)
- Yellow (68%)
- Blue (78%)



- Cyan (23%)
- Magenta (4%)
- Yellow (0%)
- Black (22%)




- Cyan (40%)
- Magenta (25%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.6417, 0.2775, 0.3182 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 48.6417, 0.2775, 0.3182 by changing the saturation by 10% instead.


 48.6417, 0.2775,
0.3182


 48.6417, 0.2775,
0.3182


381.3301, 0.2948,
0.3238

 34.3353, 0.2733,
0.3168


 88.1591, 0.2837,
0.3203

 23.1513, 0.2679,
0.3149

 114.1389, 0.2861,
0.3210

 14.7053, 0.2609,
0.3123


144.7786, 0.2881,
0.3217

 8.6128, 0.2512,
0.3087

180.4626, 0.2898,
0.3222

 4.4895, 0.2373,
0.3030

221.5754, 0.2913,
0.3227

 1.9510, 0.2153,
0.2934

268.5013, 0.2926,

 0.5788, 0.1333,

0.3231

0.2769

321.6247, 0.2938,
0.3235

0.0000, 0.0000,
0.0000

48.6417, 0.2775,
0.3182

48.6417, 0.2775,
0.3182

45.3740, 0.2636,
0.3130

52.2744, 0.2922,
0.3231

42.4490, 0.2507,
0.3074

56.2816, 0.3074,
0.3275

39.8507, 0.2393,
0.3016

60.6796, 0.3228,
0.3316

37.5595, 0.2295,
0.2955

65.4820, 0.3381,
0.3352

35.5533, 0.2215,
0.2894

70.7017, 0.3532,
0.3385

■ 33.8069, 0.2154,
0.2833

■ 72.7631, 0.3540,
0.3419

■ 32.2899, 0.2113,
0.2772

■ 74.4946, 0.3533,
0.3454

■ 31.3877, 0.2092,
0.2733

■ 76.2626, 0.3525,
0.3488

■ 78.0671, 0.3518,
0.3522

Harmonies

Analogous

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



48.6417, 0.2869, 0.3359



48.6417, 0.2775, 0.3182



48.6417, 0.2772, 0.3042

Triad

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



48.6417, 0.2775, 0.3182



48.6417, 0.3216, 0.3074



48.6417, 0.3394, 0.3616

Complementary

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



48.6417, 0.2775, 0.3182



40.0987, 0.3585, 0.3395

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.



48.6417, 0.3494, 0.3527



48.6417, 0.2775, 0.3182



48.6417, 0.3390, 0.3216

Square

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



48.6417, 0.2775, 0.3182



48.6417, 0.3022, 0.2986



48.6417, 0.3493, 0.3380



48.6417, 0.3224, 0.3616

Rectangle

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



48.6417, 0.2775, 0.3182



48.6417, 0.2822, 0.2987



48.6417, 0.3493, 0.3380



48.6417, 0.3437, 0.3595

Sweetspot

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



48.6437, 0.2775, 0.3182



94.8404, 0.3018, 0.3260



50.6608, 0.3043, 0.3832



20.2079, 0.3009, 0.3257



0.0000, 0.0000, 0.0000



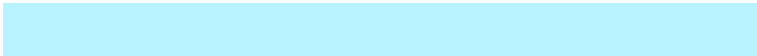
21.4041, 0.3127, 0.3290

Same Dimension

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



48.6437, 0.2775, 0.3182



81.3449, 0.2705, 0.3157



39.2152, 0.2749, 0.2859



11.7473, 0.2984, 0.3250



20.0698, 0.2095, 0.2741



1.0341, 0.2130, 0.2867

Inverse Universe

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



38.8866, 0.3227, 0.2805



61.8342, 0.3252, 0.2701



49.0133, 0.3519, 0.3686



10.7843, 0.3163, 0.3101



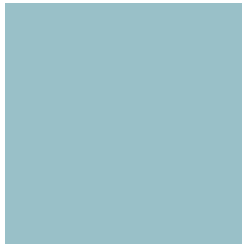
9.5660, 0.3689, 0.1806



0.4614, 0.3573, 0.1742

Previews

White Background



This preview shows how the Yxy color 48.6417, 0.2775, 0.3182 looks on a white background.

Color Contrast Check

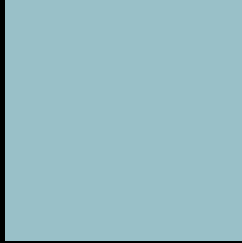
Large Text (above 18pt) WCAG AA × Fail

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 48.6417, 0.2775, 0.3182 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 48.6417, 0.2775, 0.3182

Background



This preview shows how black text looks on a background with the Yxy color 48.6417, 0.2775, 0.3182.



This preview shows how white text looks on a background with the Yxy color 48.6417, 0.2775, 0.3182.

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

48.6417, 0.2775, 0.3182

Protanopia

48.5354, 0.3051, 0.3151

Deuteranopia

48.5564, 0.3073, 0.3008



Tritanopia

48.5879, 0.2742, 0.3091

Trichromacy



Original Color

48.6417, 0.2775, 0.3182

Protanomaly

48.4561, 0.2940, 0.3160

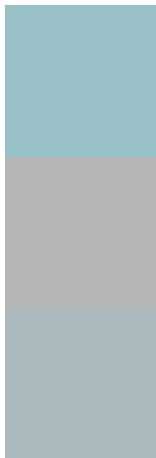
Deuteranomaly

48.2485, 0.2958, 0.3061

Tritanomaly

48.4913, 0.2755, 0.3117

Monochromacy



Original Color

48.6417, 0.2775, 0.3182

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.9867, 0.2989, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6417, 0.2775, 0.3182 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(153, 192, 200)` looks like.

```
.text, #text, p{  
    color:rgb(153, 192, 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(153, 192, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 192, 200) }
```

Border

The CSS property to change the border of an element to Yxy 48.6417, 0.2775, 0.3182 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(153, 192, 200) }
```

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

```
.border{ border-color:rgb(153, 192, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 192, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 192, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 192, 200);  
box-shadow:4px 4px 4px 4px rgb(153, 192,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6417, 0.2775, 0.3182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 192, 200) }
```

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

```
.background{ background-color: rgb(153,  
192, 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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