

Converting Colors

$Y_{xy}(47.3397, 0.2782, 0.3172)$

Have a look what the booklet for
Yxy(47.3397, 0.2782, 0.3172)
contains.

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Color

Yxy(47.2447, 0.2785, 0.3168)

Conversions

Conversions Part 1

Format	Color
Hex	99BDC6
RGB	153, 189, 198
RGB Percent	60%, 74%, 78%
CMY	0.3998, 0.2588, 0.2235
CMYK	0.23, 0.05, 0.00, 0.22
HSL	192°, 28%, 69%
HSV	192°, 23%, 78%
XYZ	41.5330, 47.2447, 60.3533
YIQ	179.2620, -24.3450, -4.8330

Conversions

Conversions Part 2

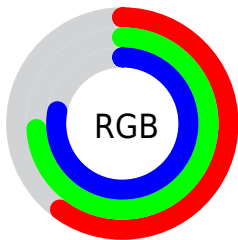
Format	Color
R _Y B	153, 173, 198
Decimal	10075590
CIE Lab	74.35, -10.00, -8.52
CIE LCh	74, 13.139, 220.430
Yxy	47.2447, 0.2785, 0.3168
Android (android.graphics.Color)	4288265670 (0xFF99BDC6)
YUV	179.2620, 9.2378, -23.0318
Hunter-Lab	68.7348, -12.4273, -3.9459

Details

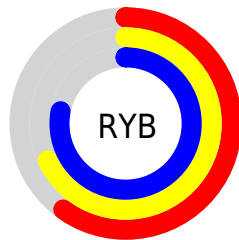
The Yxy color **47.2447, 0.2785, 0.3168** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.1637, 0.3562, 0.3409**, and the grayscale version is **45.1907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9347, 0.2843, 0.3185**, and **22.3886, 0.2694, 0.3141** is the 20% darker color. If you saturate the color by 10%, you get **43.7939, 0.2643, 0.3107**, and if you desaturate by 10%, it is **51.0656, 0.2934, 0.3225**.

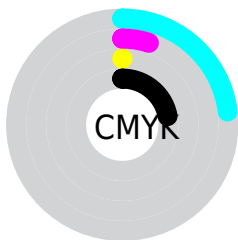
Distribution



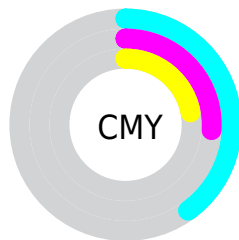
- Red (60%)
- Green (74%)
- Blue (78%)



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



- Cyan (23%)
- Magenta (5%)
- Yellow (0%)
- Black (22%)




- Cyan (40%)
- Magenta (26%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.2447, 0.2785, 0.3168 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 47.2447, 0.2785, 0.3168 by changing the saturation by 10% instead.


 47.2447, 0.2785,
0.3168

 47.2447, 0.2785,
0.3168


375.7904, 0.2954,
0.3231

 33.2291, 0.2744,
0.3152


 86.0788, 0.2846,
0.3191

 22.3020, 0.2691,
0.3131


 111.6661, 0.2869,
0.3200

 14.0790, 0.2621,
0.3102


141.8794, 0.2888,
0.3207

 8.1756, 0.2525,
0.3061

177.1032, 0.2905,
0.3213

 4.2075, 0.2386,
0.2998

217.7218, 0.2920,
0.3219

 1.7903, 0.2163,
0.2889

264.1196, 0.2933,

 0.4811, 0.1170,

0.3223

0.2640

316.6810, 0.2944,
0.3227

0.0000, 0.0000,
0.0000

47.2447, 0.2785,
0.3168

47.2447, 0.2785,
0.3168

43.7939, 0.2643,
0.3107

51.0656, 0.2934,
0.3225

40.6915, 0.2511,
0.3041

55.2660, 0.3086,
0.3277

37.9218, 0.2392,
0.2973

59.8619, 0.3239,
0.3324

35.4657, 0.2289,
0.2901

64.8667, 0.3391,
0.3366

33.3018, 0.2203,
0.2829

70.2929, 0.3540,
0.3403

■ 31.4056, 0.2137,
0.2756

■ 72.8172, 0.3554,
0.3443

■ 29.7478, 0.2090,
0.2683

■ 74.8336, 0.3545,
0.3483

■ 28.6493, 0.2064,
0.2631

■ 76.8992, 0.3537,
0.3522

■ 79.0142, 0.3528,
0.3562

Harmonies

Analogous

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



47.2447, 0.2865, 0.3335



47.2447, 0.2785, 0.3168



47.2447, 0.2794, 0.3041

Triad

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



47.2447, 0.2785, 0.3168



47.2447, 0.3235, 0.3098



47.2447, 0.3365, 0.3606

Complementary

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



47.2447, 0.2785, 0.3168



40.1637, 0.3562, 0.3409

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.



47.2447, 0.3471, 0.3531



47.2447, 0.2785, 0.3168



47.2447, 0.3395, 0.3238

Square

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



47.2447, 0.2785, 0.3168



47.2447, 0.3049, 0.3006



47.2447, 0.3482, 0.3395



47.2447, 0.3197, 0.3595

Rectangle

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



47.2447, 0.2785, 0.3168



47.2447, 0.2848, 0.2995



47.2447, 0.3482, 0.3395



47.2447, 0.3409, 0.3590

Sweetspot

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



47.2466, 0.2785, 0.3168



94.5109, 0.3018, 0.3255



49.7731, 0.3035, 0.3790



20.1314, 0.3009, 0.3251



0.0000, 0.0000, 0.0000



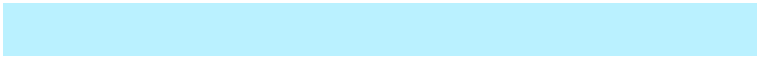
21.4041, 0.3127, 0.3290

Same Dimension

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



47.2466, 0.2785, 0.3168



80.7144, 0.2717, 0.3140



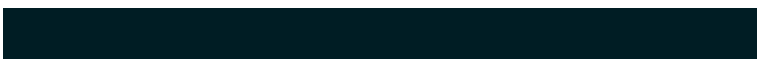
38.3193, 0.2761, 0.2854



11.6928, 0.2984, 0.3243



18.7551, 0.2067, 0.2641



0.9824, 0.2109, 0.2791

Inverse Universe

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



38.4762, 0.3235, 0.2837



62.8046, 0.3262, 0.2741



48.8003, 0.3501, 0.3691



10.7788, 0.3168, 0.3107



9.4333, 0.3785, 0.1859



0.4562, 0.3643, 0.1781

Previews

White Background



This preview shows how the Yxy color 47.2447, 0.2785, 0.3168 looks on a white background.

Color Contrast Check

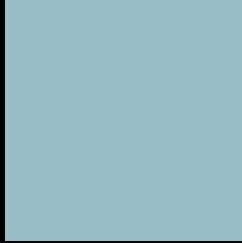
Large Text (above 18pt) WCAG AA × Fail

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 47.2447, 0.2785, 0.3168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

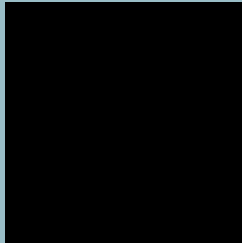
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

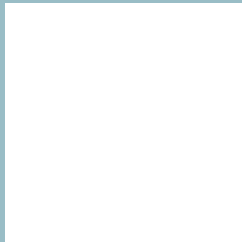
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.2447, 0.2785, 0.3168

Background



This preview shows how black text looks on a background with the Yxy color 47.2447, 0.2785, 0.3168.

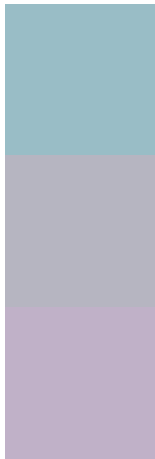


This preview shows how white text looks on a background with the Yxy color 47.2447, 0.2785, 0.3168.

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

47.2447, 0.2785, 0.3168

Protanopia

46.8431, 0.3042, 0.3136

Deuteranopia

46.8209, 0.3072, 0.3004



Tritanopia

47.1483, 0.2758, 0.3089

Trichromacy



Original Color

47.2447, 0.2785, 0.3168

Protanomaly

46.8790, 0.2938, 0.3146

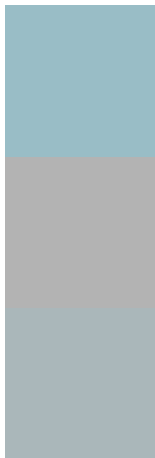
Deuteranomaly

46.6362, 0.2964, 0.3058

Tritanomaly

47.0535, 0.2771, 0.3115

Monochromacy



Original Color

47.2447, 0.2785, 0.3168

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.9582, 0.2996, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2447, 0.2785, 0.3168 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, 189, 198)` looks like.

```
.text, #text, p{  
    color:rgb(153, 189, 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(153, 189, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 189, 198) }
```

Border

The CSS property to change the border of an element to Yxy 47.2447, 0.2785, 0.3168 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, 189, 198) }
```

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

```
.border{ border-color:rgb(153, 189, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 189, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 189, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 189, 198);  
box-shadow:4px 4px 4px 4px rgb(153, 189,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2447, 0.2785, 0.3168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 189, 198) }
```

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

```
.background{ background-color: rgb(153,  
189, 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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