

Converting Colors

$Y_{xy}(47.9571, 0.2726, 0.3183)$

Have a look what the booklet for
Yxy(47.9571, 0.2726, 0.3183)
contains.

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Color

Yxy(47.9804, 0.2727, 0.3181)

Conversions

Conversions Part 1

Format	Color
Hex	92C0C8
RGB	146, 192, 200
RGB Percent	57%, 75%, 78%
CMY	0.4273, 0.2471, 0.2158
CMYK	0.27, 0.04, 0.00, 0.22
HSL	189°, 33%, 68%
HSV	189°, 27%, 78%
XYZ	41.1325, 47.9804, 61.7214
YIQ	179.1580, -29.9840, -7.2640

Conversions

Conversions Part 2

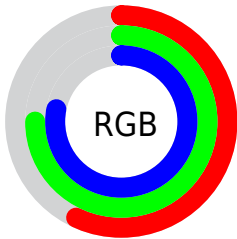
Format	Color
R _Y B	146, 171, 200
Decimal	9617608
CIE Lab	74.81, -13.24, -8.95
CIE LCh	75, 15.977, 214.062
Yxy	47.9804, 0.2727, 0.3181
Android (android.graphics.Color)	4287807688 (0xFF92C0C8)
YUV	179.1580, 10.2751, -29.0796
Hunter-Lab	69.2679, -15.2223, -4.3431

Details

The Yxy color **47.9804, 0.2727, 0.3181** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.4726, 0.3676, 0.3396**, and the grayscale version is **45.1289, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7723, 0.2806, 0.3216**, and **22.6320, 0.2621, 0.3139** is the 20% darker color. If you saturate the color by 10%, you get **45.0201, 0.2593, 0.3135**, and if you desaturate by 10%, it is **51.2913, 0.2871, 0.3224**.

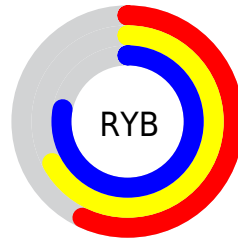
Distribution



Red (57%)

Green (75%)

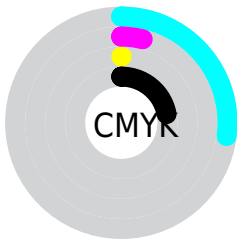
Blue (78%)



Red (57%)

Yellow (67%)

Blue (78%)

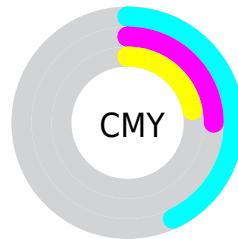


Cyan (27%)

Magenta (4%)

Yellow (0%)

Black (22%)



Cyan (43%)


Magenta (25%)

Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.9804, 0.2727, 0.3181 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 47.9804, 0.2727, 0.3181 by changing the saturation by 10% instead.


 47.9804, 0.2727,
0.3181


 47.9804, 0.2727,
0.3181


378.7144, 0.2924,
0.3238

 33.8114, 0.2679,
0.3166


 87.1752, 0.2798,
0.3202

 22.7487, 0.2618,
0.3146


 112.9698, 0.2824,
0.3210

 14.4081, 0.2538,
0.3119


143.4083, 0.2847,
0.3217

 8.4050, 0.2429,
0.3081

178.8753, 0.2867,
0.3222

 4.3552, 0.2270,
0.3020

219.7549, 0.2884,
0.3227

 1.8742, 0.2022,
0.2915

266.4317, 0.2899,

 0.5328, 0.0944,

0.3231

0.2743

319.2901, 0.2912,
0.3235

0.0000, 0.0000,
0.0000

47.9804, 0.2727,
0.3181

47.9804, 0.2727,
0.3181

45.0201, 0.2593,
0.3135

51.2913, 0.2871,
0.3224

42.3878, 0.2472,
0.3086

54.9625, 0.3020,
0.3264

40.0669, 0.2365,
0.3035

59.0107, 0.3174,
0.3301

38.0373, 0.2277,
0.2983

63.4497, 0.3328,
0.3334

36.2760, 0.2207,
0.2931

68.2925, 0.3482,
0.3363

■ 34.7563, 0.2156,
0.2878

■ 71.3986, 0.3546,
0.3392

■ 33.4422, 0.2123,
0.2826

■ 72.8708, 0.3540,
0.3422

■ 33.0646, 0.2114,
0.2811

■ 74.3702, 0.3533,
0.3451

■ 75.8969, 0.3527,
0.3481

Harmonies

Analogous

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



47.9804, 0.2843, 0.3388



47.9804, 0.2727, 0.3181



47.9804, 0.2714, 0.3014

Triad

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



47.9804, 0.2727, 0.3181



47.9804, 0.3209, 0.3030



47.9804, 0.3450, 0.3661

Complementary

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



47.9804, 0.2727, 0.3181



37.4726, 0.3676, 0.3396

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.



47.9804, 0.3557, 0.3549



47.9804, 0.2727, 0.3181



47.9804, 0.3415, 0.3188

Square

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



47.9804, 0.2727, 0.3181



47.9804, 0.2986, 0.2936



47.9804, 0.3545, 0.3375



47.9804, 0.3258, 0.3674

Rectangle

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



47.9804, 0.2727, 0.3181



47.9804, 0.2765, 0.2947



47.9804, 0.3545, 0.3375



47.9804, 0.3497, 0.3633

Sweetspot

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



47.9823, 0.2727, 0.3181



94.4235, 0.3003, 0.3260



49.7206, 0.3042, 0.3952



19.9964, 0.2980, 0.3254



0.0000, 0.0000, 0.0000



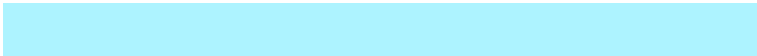
21.4041, 0.3127, 0.3290

Same Dimension

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



47.9823, 0.2727, 0.3181



80.2074, 0.2652, 0.3156



37.4917, 0.2691, 0.2811



11.7898, 0.2984, 0.3255



21.1324, 0.2116, 0.2818



1.0754, 0.2146, 0.2926

Inverse Universe

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



36.6539, 0.3233, 0.2717



57.7674, 0.3259, 0.2599



47.0770, 0.3591, 0.3726



10.7886, 0.3160, 0.3095



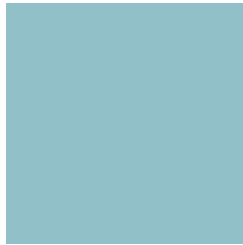
9.6733, 0.3618, 0.1767



0.4656, 0.3520, 0.1713

Previews

White Background



This preview shows how the Yxy color 47.9804, 0.2727, 0.3181 looks on a white background.

Color Contrast Check

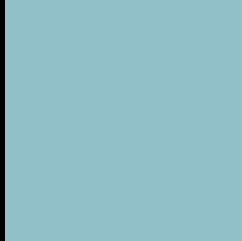
Large Text (above 18pt) WCAG AA × Fail

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 47.9804, 0.2727, 0.3181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

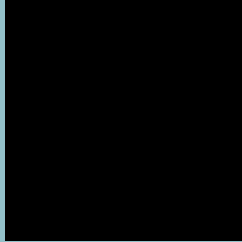
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

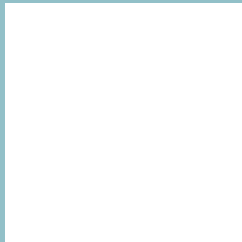
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.9804, 0.2727, 0.3181

Background



This preview shows how black text looks on a background with the Yxy color 47.9804, 0.2727, 0.3181.



This preview shows how white text looks on a background with the Yxy color 47.9804, 0.2727, 0.3181.

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

47.9804, 0.2727, 0.3181

Protanopia

47.5413, 0.3051, 0.3137

Deuteranopia

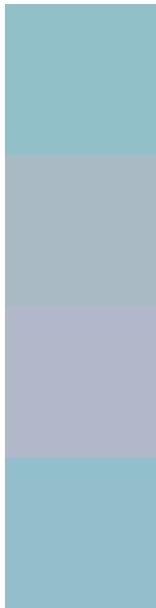
47.8895, 0.3057, 0.2994



Tritanopia

47.9209, 0.2694, 0.3088

Trichromacy



Original Color

47.9804, 0.2727, 0.3181

Protanomaly

47.6494, 0.2924, 0.3159

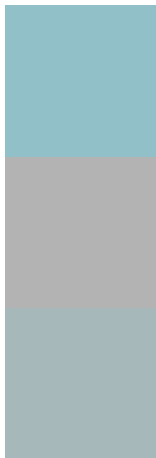
Deuteranomaly

47.7754, 0.2927, 0.3059

Tritanomaly

47.8243, 0.2707, 0.3114

Monochromacy



Original Color

47.9804, 0.2727, 0.3181

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.0843, 0.2965, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.9804, 0.2727, 0.3181 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(146, 192, 200)` looks like.

```
.text, #text, p{  
    color:rgb(146, 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(146, 192, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 192, 200) }
```

Border

The CSS property to change the border of an element to Yxy 47.9804, 0.2727, 0.3181 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(146, 192, 200) }
```

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

```
.border{ border-color:rgb(146, 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(146, 192, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 192, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 192, 200);  
box-shadow:4px 4px 4px 4px rgb(146, 192,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 47.9804, 0.2727, 0.3181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 192, 200) }
```

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

```
.background{ background-color: rgb(146,  
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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