

Converting Colors

$Yxy(49.3738, 0.2783, 0.3176)$

Have a look what the booklet for
Yxy(49.3738, 0.2783, 0.3176)
contains.

Yxy(49.3728, 0.2777, 0.3170)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.3728, 0.2777, 0.3170)

Conversions

Conversions Part 1

Format	Color
Hex	9BC1CA
RGB	155, 193, 202
RGB Percent	61%, 76%, 79%
CMY	0.3920, 0.2431, 0.2078
CMYK	0.23, 0.04, 0.00, 0.21
HSL	191°, 31%, 70%
HSV	191°, 23%, 79%
XYZ	43.2518, 49.3728, 63.1255
YIQ	182.6640, -25.5370, -5.2570

Conversions

Conversions Part 2

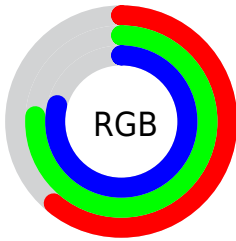
Format	Color
RYB	155, 176, 202
Decimal	10207690
CIELab	75.68, -10.60, -8.69
CIElCh	76, 13.709, 219.360
Yxy	49.3728, 0.2777, 0.3170
Android (android.graphics.Color)	4288397770 (0xFF9BC1CA)
YUV	182.6640, 9.5326, -24.2613
Hunter-Lab	70.2658, -13.0902, -4.0790

Details

The Yxy color **49.3728, 0.2777, 0.3170** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.4854, 0.3577, 0.3407**, and the grayscale version is **47.1214, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6730, 0.2857, 0.3227**, and **23.4869, 0.2684, 0.3126** is the 20% darker color. If you saturate the color by 10%, you get **45.8510, 0.2636, 0.3111**, and if you desaturate by 10%, it is **53.2777, 0.2925, 0.3225**.

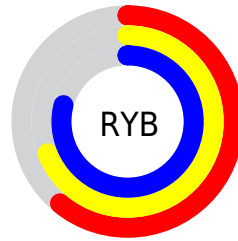
Distribution



Red (61%)

Green (76%)

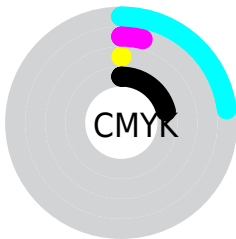
Blue (79%)



Red (61%)

Yellow (69%)

Blue (79%)

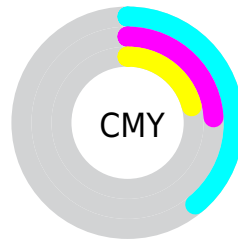


Cyan (23%)

Magenta (4%)

Yellow (0%)

Black (21%)



Cyan (39%)


Magenta (24%)

Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.3728, 0.2777, 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 49.3728, 0.2777, 0.3170 by changing the saturation by 10% instead.


 49.3728, 0.2777,
0.3170

 49.3728, 0.2777,
0.3170


384.2081, 0.2949,
0.3232

 34.9153, 0.2735,
0.3154


 89.2449, 0.2839,
0.3193

 23.5976, 0.2682,
0.3134


 115.4283, 0.2862,
0.3201

 15.0354, 0.2613,
0.3106


146.2891, 0.2882,
0.3208

 8.8442, 0.2518,
0.3067

182.2117, 0.2899,
0.3214

 4.6397, 0.2381,
0.3007

223.5805, 0.2914,
0.3220

 2.0375, 0.2167,
0.2906

270.7799, 0.2927,

 0.6291, 0.1475,

0.3224

0.2735

324.1943, 0.2938,
0.3228

0.0000, 0.0000,
0.0000

49.3728, 0.2777,
0.3170

49.3728, 0.2777,
0.3170

45.8510, 0.2636,
0.3111

53.2777, 0.2925,
0.3225

42.6895, 0.2505,
0.3048

57.5755, 0.3077,
0.3275

39.8717, 0.2388,
0.2983

62.2831, 0.3231,
0.3320

37.3775, 0.2287,
0.2914

67.4144, 0.3383,
0.3361

35.1843, 0.2204,
0.2845

72.7871, 0.3525,
0.3397

■ 33.2662, 0.2140,
0.2775

■ 74.7499, 0.3517,
0.3436

■ 31.5920, 0.2095,
0.2706

■ 76.7594, 0.3509,
0.3475

■ 30.5622, 0.2072,
0.2660

■ 78.8159, 0.3502,
0.3514

■ 80.9199, 0.3494,
0.3552

Harmonies

Analogous

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



49.3728, 0.2862, 0.3343



49.3728, 0.2777, 0.3170



49.3728, 0.2783, 0.3038

Triad

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



49.3728, 0.2777, 0.3170



49.3728, 0.3231, 0.3088



49.3728, 0.3377, 0.3614

Complementary

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



49.3728, 0.2777, 0.3170



41.4854, 0.3577, 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.



49.3728, 0.3483, 0.3533



49.3728, 0.2777, 0.3170



49.3728, 0.3397, 0.3231

Square

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



49.3728, 0.2777, 0.3170



49.3728, 0.3040, 0.2996



49.3728, 0.3491, 0.3392



49.3728, 0.3206, 0.3606

Rectangle

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



49.3728, 0.2777, 0.3170



49.3728, 0.2837, 0.2988



49.3728, 0.3491, 0.3392



49.3728, 0.3422, 0.3596

Sweetspot

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



49.3748, 0.2777, 0.3170



94.6074, 0.3018, 0.3256



51.8791, 0.3038, 0.3815



20.1538, 0.3009, 0.3253



0.0000, 0.0000, 0.0000



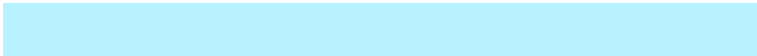
21.4041, 0.3127, 0.3290

Same Dimension

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



49.3748, 0.2777, 0.3170



80.4603, 0.2704, 0.3140



39.9488, 0.2752, 0.2853



12.3474, 0.2983, 0.3245



19.7912, 0.2075, 0.2669



1.1174, 0.2112, 0.2804

Inverse Universe

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



39.8590, 0.3235, 0.2821



61.7449, 0.3263, 0.2715



50.5175, 0.3513, 0.3692



11.3654, 0.3166, 0.3105



9.8009, 0.3757, 0.1843



0.5153, 0.3631, 0.1774

Previews

White Background



This preview shows how the Yxy color 49.3728, 0.2777, 0.3170 looks on a white background.

Color Contrast Check

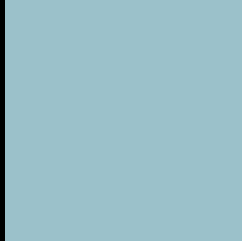
Large Text (above 18pt) WCAG AA × Fail

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 49.3728, 0.2777, 0.3170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

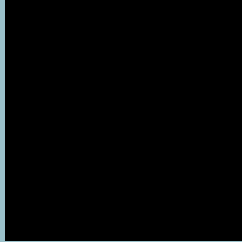
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

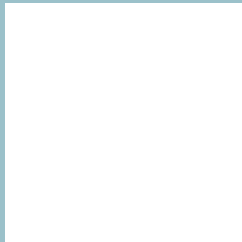
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.3728, 0.2777, 0.3170

Background



This preview shows how black text looks on a background with the Yxy color 49.3728, 0.2777, 0.3170.



This preview shows how white text looks on a background with the Yxy color 49.3728, 0.2777, 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

49.3728, 0.2777, 0.3170

Protanopia

49.1682, 0.3044, 0.3139

Deuteranopia

49.1431, 0.3073, 0.3009



Tritanopia

49.2722, 0.2750, 0.3093

Trichromacy



Original Color

49.3728, 0.2777, 0.3170

Protanomaly

49.2039, 0.2942, 0.3148

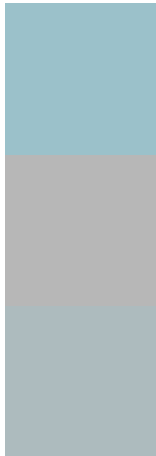
Deuteranomaly

48.8335, 0.2959, 0.3062

Tritanomaly

49.1750, 0.2763, 0.3118

Monochromacy



Original Color

49.3728, 0.2777, 0.3170

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.1426, 0.2991, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3728, 0.2777, 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(155, 193, 202)` looks like.

```
.text, #text, p{  
    color:rgb(155, 193, 202)  
}
```

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(155, 193, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 193, 202) }
```

Border

The CSS property to change the border of an element to Yxy 49.3728, 0.2777, 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(155, 193, 202) }
```

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

```
.border{ border-color:rgb(155, 193, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 193, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 193, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 193, 202);  
box-shadow:4px 4px 4px 4px rgb(155, 193,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3728, 0.2777, 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(155, 193, 202) }
```

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

```
.background{ background-color: rgb(155,  
193, 202) }
```

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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