

Converting Colors

$Y_{xy}(48.8098, 0.2730, 0.3206)$

Have a look what the booklet for
Yxy(48.8098, 0.2730, 0.3206)
contains.

Yxy(48.8647, 0.2729, 0.3208)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(48.8647, 0.2729, 0.3208)

Conversions

Conversions Part 1

Format	Color
Hex	92C2C8
RGB	146, 194, 200
RGB Percent	57%, 76%, 78%
CMY	0.4275, 0.2392, 0.2157
CMYK	0.27, 0.03, 0.00, 0.22
HSL	187°, 33%, 68%
HSV	187°, 27%, 78%
XYZ	41.5685, 48.8647, 61.8882
YIQ	180.3320, -30.5340, -8.3100

Conversions

Conversions Part 2

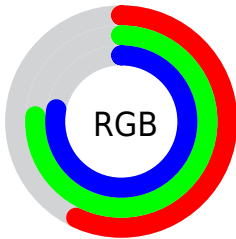
Format	Color
RYB	146, 171, 200
Decimal	9618120
CIELab	75.37, -14.29, -8.14
CIELCh	75, 16.450, 209.664
Yxy	48.8647, 0.2729, 0.3208
Android (android.graphics.Color)	4287808200 (0xFF92C2C8)
YUV	180.3320, 9.6963, -30.1092
Hunter-Lab	69.9033, -16.1844, -3.5595

Details

The Yxy color **48.8647, 0.2729, 0.3208** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.8041, 0.3684, 0.3370**, and the grayscale version is **45.7875, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6319, 0.2808, 0.3247**, and **23.2112, 0.2626, 0.3177** is the 20% darker color. If you saturate the color by 10%, you get **46.2103, 0.2598, 0.3173**, and if you desaturate by 10%, it is **51.8584, 0.2871, 0.3240**.

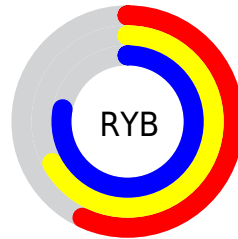
Distribution



Red (57%)

Green (76%)

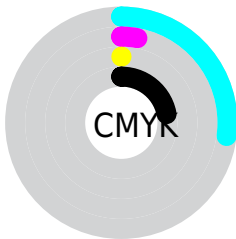
Blue (78%)



Red (57%)

Yellow (67%)

Blue (78%)

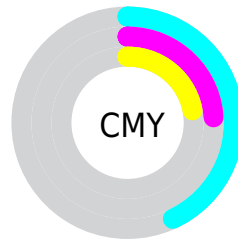


Cyan (27%)

Magenta (3%)

Yellow (0%)

Black (22%)



Cyan (43%)


Magenta (24%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.8647, 0.2729, 0.3208 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 48.8647, 0.2729, 0.3208 by changing the saturation by 10% instead.


 48.8647, 0.2729,
0.3208


 48.8647, 0.2729,
0.3208


382.2094, 0.2924,
0.3252

 34.5122, 0.2682,
0.3196


 88.4905, 0.2799,
0.3224

 23.2873, 0.2621,
0.3181


 114.5325, 0.2826,
0.3230

 14.8058, 0.2542,
0.3160

145.2398, 0.2848,
0.3235

 8.6832, 0.2435,
0.3129

180.9968, 0.2868,
0.3240

 4.5351, 0.2279,
0.3081

222.1879, 0.2884,
0.3243

 1.9772, 0.2036,
0.2996

269.1974, 0.2899,

 0.5942, 0.1053,

0.3246

0.2900

322.4098, 0.2912,
0.3249

0.0000, 0.0000,
0.0000

48.8647, 0.2729,
0.3208

48.8647, 0.2729,
0.3208

46.2103, 0.2598,
0.3173

51.8584, 0.2871,
0.3240

43.8727, 0.2480,
0.3137

55.2011, 0.3020,
0.3270

41.8353, 0.2379,
0.3100

58.9093, 0.3173,
0.3298

40.0781, 0.2295,
0.3061

62.9967, 0.3329,
0.3323

38.5782, 0.2230,
0.3022

67.4763, 0.3484,
0.3345

■ 37.3089, 0.2184,
0.2984

■ 70.2176, 0.3551,
0.3367

■ 36.2343, 0.2156,
0.2946

■ 71.3035, 0.3546,
0.3389

■ 35.9315, 0.2149,
0.2935

■ 72.4047, 0.3541,
0.3412

■ 73.5212, 0.3537,
0.3434

Harmonies

Analogous

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



48.8647, 0.2861, 0.3421



48.8647, 0.2729, 0.3208



48.8647, 0.2700, 0.3028

Triad

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



48.8647, 0.2729, 0.3208



48.8647, 0.3177, 0.3005



48.8647, 0.3480, 0.3659

Complementary

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



48.8647, 0.2729, 0.3208



36.8041, 0.3684, 0.3370

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.



48.8647, 0.3573, 0.3531



48.8647, 0.2729, 0.3208



48.8647, 0.3395, 0.3159

Square

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



48.8647, 0.2729, 0.3208



48.8647, 0.2952, 0.2921



48.8647, 0.3542, 0.3349



48.8647, 0.3293, 0.3688

Rectangle

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



48.8647, 0.2729, 0.3208



48.8647, 0.2742, 0.2950



48.8647, 0.3542, 0.3349



48.8647, 0.3524, 0.3625

Sweetspot

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



48.8667, 0.2729, 0.3208



94.8974, 0.3003, 0.3267



49.6677, 0.3055, 0.3979



20.1166, 0.2980, 0.3263



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.



48.8667, 0.2729, 0.3208



82.0247, 0.2656, 0.3189



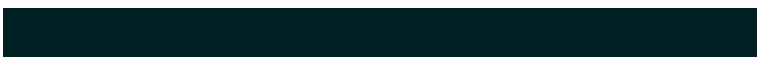
38.1335, 0.2693, 0.2837



11.8586, 0.2984, 0.3264



22.9265, 0.2150, 0.2940



1.1444, 0.2172, 0.3019

Inverse Universe

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



36.7268, 0.3214, 0.2693



57.9509, 0.3235, 0.2572



46.3535, 0.3597, 0.3705



10.7956, 0.3154, 0.3087



9.8544, 0.3507, 0.1706



0.4725, 0.3437, 0.1667

Previews

White Background



This preview shows how the Yxy color 48.8647, 0.2729, 0.3208 looks on a white background.

Color Contrast Check

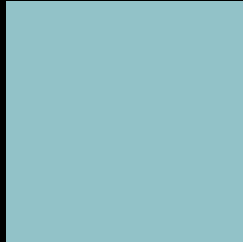
Large Text (above 18pt) WCAG AA × Fail

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 48.8647, 0.2729, 0.3208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

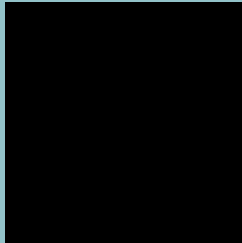
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

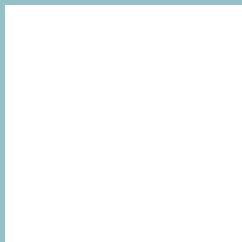
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.8647, 0.2729, 0.3208

Background



This preview shows how black text looks on a background with the Yxy color 48.8647, 0.2729, 0.3208.

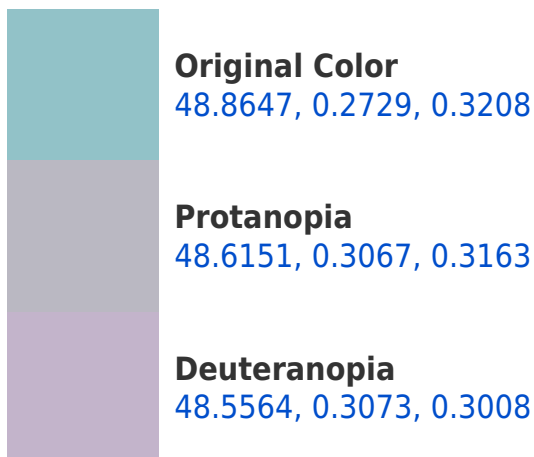


This preview shows how white text looks on a background with the Yxy color 48.8647, 0.2729, 0.3208.

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





Tritanopia

48.9899, 0.2691, 0.3090

Trichromacy



Original Color

48.8647, 0.2729, 0.3208

Protanomaly

48.6099, 0.2932, 0.3185

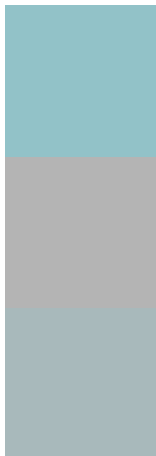
Deuteranomaly

48.3093, 0.2935, 0.3073

Tritanomaly

48.7508, 0.2703, 0.3129

Monochromacy



Original Color

48.8647, 0.2729, 0.3208

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.6106, 0.2973, 0.3263

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8647, 0.2729, 0.3208 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, 194, 200)` looks like.

```
.text, #text, p{  
    color:rgb(146, 194, 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, 194, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 194, 200) }
```

Border

The CSS property to change the border of an element to Yxy 48.8647, 0.2729, 0.3208 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, 194, 200) }
```

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

```
.border{ border-color:rgb(146, 194, 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, 194, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 194, 200); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 194, 200); box-shadow:4px 4px 4px 4px rgb(146, 194, 200) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8647, 0.2729, 0.3208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 194, 200) }
```

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

```
.background{ background-color: rgb(146,  
194, 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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