

Converting Colors

$Yxy(47.2913, 0.2699, 0.3284)$

Have a look what the booklet for
Yxy(47.2913, 0.2699, 0.3284)
contains.

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Color

Yxy(47.1859, 0.2693, 0.3275)

Conversions

Conversions Part 1

Format	Color
Hex	87C1C2
RGB	135, 193, 194
RGB Percent	53%, 76%, 76%
CMY	0.4705, 0.2431, 0.2393
CMYK	0.30, 0.01, 0.00, 0.24
HSL	181°, 33%, 65%
HSV	181°, 30%, 76%
XYZ	38.8005, 47.1859, 58.0927
YIQ	175.7720, -34.8890, -11.9850

Conversions

Conversions Part 2

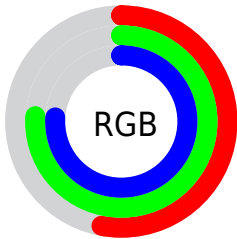
Format	Color
R _Y B	135, 164, 194
Decimal	8896962
CIE Lab	74.31, -18.35, -6.51
CIE LCh	74, 19.470, 199.527
Yxy	47.1859, 0.2693, 0.3275
Android (android.graphics.Color)	4287087042 (0xFF87C1C2)
YUV	175.7720, 8.9864, -35.7570
Hunter-Lab	68.6920, -19.3857, -2.0570

Details

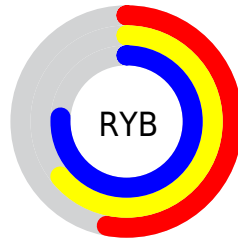
The Yxy color **47.1859, 0.2693, 0.3275** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **30.8284, 0.3798, 0.3305**, and the grayscale version is **43.2601, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2205, 0.2772, 0.3289**, and **22.1525, 0.2574, 0.3269** is the 20% darker color. If you saturate the color by 10%, you get **45.5792, 0.2574, 0.3270**, and if you desaturate by 10%, it is **49.0899, 0.2826, 0.3280**.

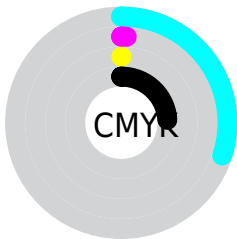
Distribution



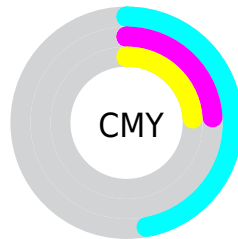
- Red (53%)
- Green (76%)
- Blue (76%)



- Red (53%)
- Yellow (64%)
- Blue (76%)



- Cyan (30%)
- Magenta (1%)
- Yellow (0%)
- Black (24%)





- Cyan (47%)
- Magenta (24%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.1859, 0.2693, 0.3275 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 47.1859, 0.2693, 0.3275 by changing the saturation by 10% instead.


 47.1859, 0.2693,
0.3275

 47.1859, 0.2693,
0.3275


375.5561, 0.2907,
0.3286

 33.1826, 0.2641,
0.3271


 85.9910, 0.2770,
0.3280

 22.2664, 0.2574,
0.3266


 111.5617, 0.2799,
0.3281

 14.0528, 0.2486,
0.3258


 141.7570, 0.2824,
0.3282

 8.1574, 0.2366,
0.3245

176.9613, 0.2845,
0.3283

 4.1958, 0.2191,
0.3221

217.5589, 0.2864,
0.3284

 1.7837, 0.1915,
0.3173

263.9343, 0.2880,

 0.4770, 0.0037,

0.3285

316.4719, 0.2894,
0.3285

0.3274

0.0000, 0.0000,
0.0000

47.1859, 0.2693,
0.3275

47.1859, 0.2693,
0.3275

45.5792, 0.2574,
0.3270

49.0899, 0.2826,
0.3280

44.2481, 0.2472,
0.3264

51.3002, 0.2969,
0.3285

43.1771, 0.2388,
0.3258

53.8325, 0.3121,
0.3290

42.3469, 0.2322,
0.3253

56.6996, 0.3278,
0.3294

41.7351, 0.2276,
0.3247

59.9139, 0.3438,
0.3298

■ 41.3157, 0.2247,
0.3242

■ 63.4867, 0.3597,
0.3301

■ 41.0452, 0.2232,
0.3237

■ 64.3054, 0.3626,
0.3305

■ 64.4510, 0.3625,
0.3308

■ 64.5970, 0.3624,
0.3312

Harmonies

Analogous

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



47.1859, 0.2884, 0.3529



47.1859, 0.2693, 0.3275



47.1859, 0.2616, 0.3039

Triad

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



47.1859, 0.2693, 0.3275



47.1859, 0.3091, 0.2908



47.1859, 0.3602, 0.3688

Complementary

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



47.1859, 0.2693, 0.3275



30.8284, 0.3798, 0.3305

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.



47.1859, 0.3667, 0.3505



47.1859, 0.2693, 0.3275



47.1859, 0.3365, 0.3065

Square

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



47.1859, 0.2693, 0.3275



47.1859, 0.2838, 0.2841



47.1859, 0.3579, 0.3279



47.1859, 0.3408, 0.3772

Rectangle

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



47.1859, 0.2693, 0.3275



47.1859, 0.2636, 0.2924



47.1859, 0.3579, 0.3279



47.1859, 0.3640, 0.3636

Sweetspot

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



47.1878, 0.2693, 0.3275



93.5002, 0.2988, 0.3286



45.5081, 0.3079, 0.4155



20.3352, 0.2966, 0.3285



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.



47.1878, 0.2693, 0.3275



83.6449, 0.2618, 0.3272



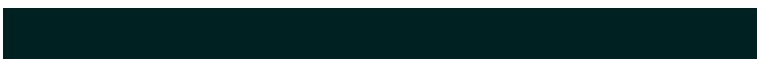
35.4277, 0.2645, 0.2846



11.3986, 0.2984, 0.3286



27.0032, 0.2233, 0.3237



1.1761, 0.2236, 0.3249

Inverse Universe

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



32.6526, 0.3172, 0.2555



53.4290, 0.3181, 0.2409



40.3041, 0.3683, 0.3696



10.2445, 0.3140, 0.3067



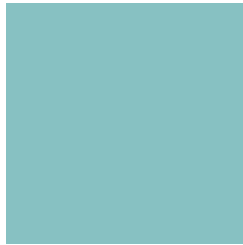
10.0082, 0.3251, 0.1564



0.4334, 0.3241, 0.1559

Previews

White Background



This preview shows how the Yxy color 47.1859, 0.2693, 0.3275 looks on a white background.

Color Contrast Check

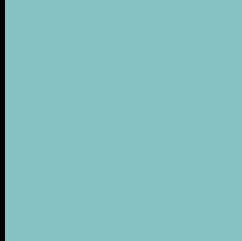
Large Text (above 18pt) WCAG AA × Fail

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 47.1859, 0.2693, 0.3275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

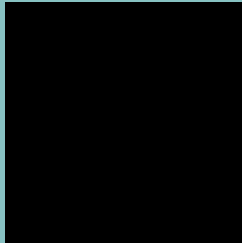
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.1859, 0.2693, 0.3275

Background



This preview shows how black text looks on a background with the Yxy color 47.1859, 0.2693, 0.3275.

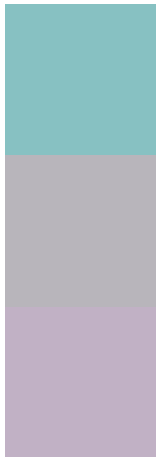


This preview shows how white text looks on a background with the Yxy color 47.1859, 0.2693, 0.3275.

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

47.1859, 0.2693, 0.3275

Protanopia

46.8260, 0.3105, 0.3213

Deuteranopia

46.8130, 0.3105, 0.3041



Tritanopia

47.1211, 0.2635, 0.3085

Trichromacy



Original Color

47.1859, 0.2693, 0.3275

Protanomaly

46.5226, 0.2935, 0.3223

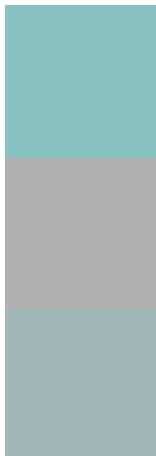
Deuteranomaly

46.6232, 0.2938, 0.3120

Tritanomaly

47.2819, 0.2655, 0.3152

Monochromacy



Original Color

47.1859, 0.2693, 0.3275

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.4519, 0.2946, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1859, 0.2693, 0.3275 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(135, 193, 194)` looks like.

```
.text, #text, p{  
    color:rgb(135, 193, 194)  
}
```

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(135, 193, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 193, 194) }
```

Border

The CSS property to change the border of an element to Yxy 47.1859, 0.2693, 0.3275 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(135, 193, 194) }
```

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

```
.border{ border-color:rgb(135, 193, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 193, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 193, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 193, 194);  
box-shadow:4px 4px 4px 4px rgb(135, 193,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1859, 0.2693, 0.3275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 193, 194) }
```

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

```
.background{ background-color: rgb(135,  
193, 194) }
```

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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