

Converting Colors

$Yxy(49.7532, 0.2678, 0.3286)$

Have a look what the booklet for
Yxy(49.7532, 0.2678, 0.3286)
contains.

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Color

Yxy(49.6996, 0.2683, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	88C6C6
RGB	136, 198, 198
RGB Percent	53%, 78%, 78%
CMY	0.4665, 0.2235, 0.2236
CMYK	0.31, 0.00, 0.00, 0.22
HSL	180°, 35%, 65%
HSV	180°, 31%, 78%
XYZ	40.5424, 49.6996, 60.8665
YIQ	179.4620, -36.9520, -13.1440

Conversions

Conversions Part 2

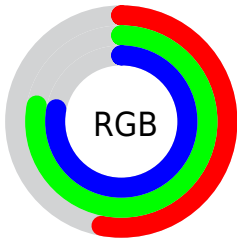
Format	Color
R_{YB}	136, 167, 198
Decimal	8963782
CIE _{Lab}	75.88, -19.67, -6.33
CIE _{LCh}	76, 20.667, 197.842
Yxy	49.6996, 0.2683, 0.3289
Android (android.graphics.Color)	4287153862 (0xFF88C6C6)
YUV	179.4620, 9.1392, -38.1162
Hunter-Lab	70.4979, -20.7184, -1.8412

Details

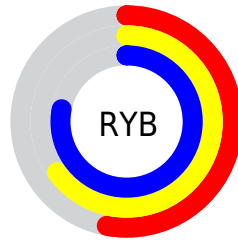
The Yxy color **49.6996, 0.2683, 0.3289** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.4044, 0.3831, 0.3292**, and the grayscale version is **45.3080, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8164, 0.2757, 0.3289**, and **23.7991, 0.2566, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **48.1931, 0.2567, 0.3289**, and if you desaturate by 10%, it is **51.5163, 0.2813, 0.3289**.

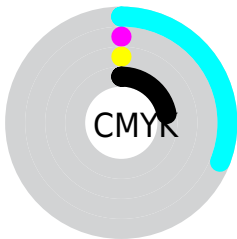
Distribution



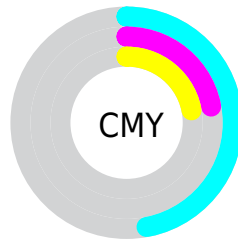
- Red (53%)
- Green (78%)
- Blue (78%)



- Red (53%)
- Yellow (65%)
- Blue (78%)



- Cyan (31%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)





- Cyan (47%)
- Magenta (22%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.6996, 0.2683, 0.3289 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 49.6996, 0.2683, 0.3289 by changing the saturation by 10% instead.


 49.6996, 0.2683,
0.3289


 49.6996, 0.2683,
0.3289


385.4900, 0.2900,
0.3293


 35.1748, 0.2630,
0.3287


 89.7296, 0.2761,
0.3291

 23.7975, 0.2564,
0.3284


 116.0036, 0.2790,
0.3292

 15.1835, 0.2477,
0.3279


 146.9628, 0.2815,
0.3292

 8.9483, 0.2358,
0.3270


182.9915, 0.2837,
0.3292

 4.7075, 0.2188,
0.3254

224.4742, 0.2856,
0.3293

 2.0767, 0.1924,
0.3217

271.7953, 0.2872,

 0.6515, 0.0711,

0.3293

0.3332

325.3391, 0.2887,
0.3293

0.0000, 0.0000,
0.0000

49.6996, 0.2683,
0.3289

49.6996, 0.2683,
0.3289

48.1931, 0.2567,
0.3289

51.5163, 0.2813,
0.3289

46.9740, 0.2468,
0.3289

53.6529, 0.2956,
0.3290

46.0258, 0.2387,
0.3289


56.1258, 0.3107,
0.3290

45.3278, 0.2326,
0.3288


58.9488, 0.3264,
0.3290

44.8563, 0.2283,
0.3288

62.1346, 0.3425,
0.3291

 44.5833, 0.2258,
0.3289

 65.6957, 0.3585,
0.3291

 44.4616, 0.2247,
0.3289

 65.7266, 0.3587,
0.3291

 65.7269, 0.3587,
0.3291

 65.7273, 0.3587,
0.3291

Harmonies

Analogous

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



49.6996, 0.2887, 0.3554



49.6996, 0.2683, 0.3289



49.6996, 0.2596, 0.3039

Triad

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



49.6996, 0.2683, 0.3289



49.6996, 0.3073, 0.2885



49.6996, 0.3631, 0.3696

Complementary

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



49.6996, 0.2683, 0.3289



31.4044, 0.3831, 0.3292

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.



49.6996, 0.3690, 0.3501



49.6996, 0.2683, 0.3289



49.6996, 0.3360, 0.3045

Square

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



49.6996, 0.2683, 0.3289



49.6996, 0.2813, 0.2822



49.6996, 0.3589, 0.3265



49.6996, 0.3434, 0.3792

Rectangle

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



49.6996, 0.2683, 0.3289



49.6996, 0.2612, 0.2917



49.6996, 0.3589, 0.3265



49.6996, 0.3668, 0.3640

Sweetspot

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



49.7016, 0.2683, 0.3289



95.9036, 0.2988, 0.3290



47.4911, 0.3092, 0.4199



20.3958, 0.2966, 0.3290



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.



49.7016, 0.2683, 0.3289



86.0168, 0.2597, 0.3289



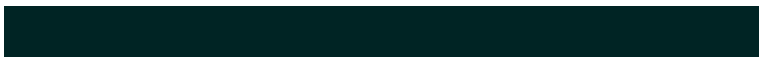
37.3392, 0.2633, 0.2861



12.0675, 0.2984, 0.3290



28.9147, 0.2247, 0.3289



1.3691, 0.2247, 0.3288

Inverse Universe

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



31.4044, 0.3831, 0.3292



48.2212, 0.4074, 0.3292



41.0520, 0.3711, 0.3683



10.6370, 0.3289, 0.3290



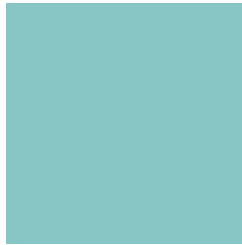
7.8078, 0.6400, 0.3299



0.3697, 0.6399, 0.3298

Previews

White Background



This preview shows how the Yxy color 49.6996, 0.2683, 0.3289 looks on a white background.

Color Contrast Check

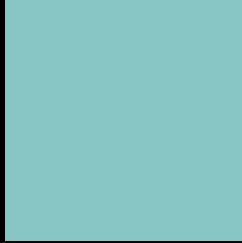
Large Text (above 18pt) WCAG AA × Fail

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 49.6996, 0.2683, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

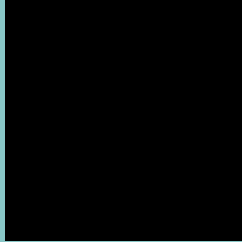
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

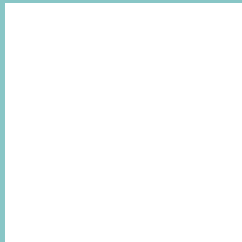
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.6996, 0.2683, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 49.6996, 0.2683, 0.3289.



This preview shows how white text looks on a background with the Yxy color 49.6996, 0.2683, 0.3289.

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

49.6996, 0.2683, 0.3289

Protanopia

49.1070, 0.3113, 0.3227

Deuteranopia

49.1823, 0.3097, 0.3034



Tritanopia

49.7223, 0.2615, 0.3076

Trichromacy



Original Color

49.6996, 0.2683, 0.3289

Protanomaly

49.1122, 0.2938, 0.3250

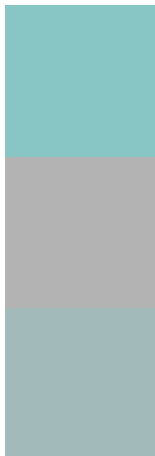
Deuteranomaly

48.8717, 0.2927, 0.3110

Tritanomaly

49.8408, 0.2640, 0.3154

Monochromacy



Original Color

49.6996, 0.2683, 0.3289

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.4495, 0.2941, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6996, 0.2683, 0.3289 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(136, 198, 198)` looks like.

```
.text, #text, p{  
    color:rgb(136, 198, 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(136, 198, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 198, 198) }
```

Border

The CSS property to change the border of an element to Yxy 49.6996, 0.2683, 0.3289 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(136, 198, 198) }
```

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

```
.border{ border-color:rgb(136, 198, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 198, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 198, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 198, 198);  
box-shadow:4px 4px 4px 4px rgb(136, 198,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6996, 0.2683, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 198, 198) }
```

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

```
.background{ background-color: rgb(136,  
198, 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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