

Converting Colors

$Yxy(48.2003, 0.2812, 0.3664)$

Have a look what the booklet for
Yxy(48.2003, 0.2812, 0.3664)
contains.

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Color

Yxy(48.1920, 0.2812, 0.3663)

Conversions

Conversions Part 1

Format	Color
Hex	83C6AC
RGB	131, 198, 172
RGB Percent	51%, 78%, 67%
CMY	0.4864, 0.2235, 0.3255
CMYK	0.34, 0.00, 0.13, 0.22
HSL	157°, 37%, 65%
HSV	157°, 34%, 78%
XYZ	36.9959, 48.1920, 46.3764
YIQ	175.0030, -31.5860, -22.2900

Conversions

Conversions Part 2

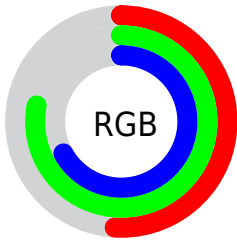
Format	Color
RYB	131, 173, 198
Decimal	8636076
CIELab	74.95, -26.94, 6.32
CIElCh	75, 27.671, 166.788
Yxy	48.1920, 0.2812, 0.3663
Android (android.graphics.Color)	4286826156 (0xFF83C6AC)
YUV	175.0030, -1.4805, -38.5906
Hunter-Lab	69.4205, -26.3587, 8.9856

Details

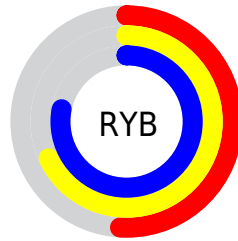
The Yxy color **48.1920, 0.2812, 0.3663** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **30.6653, 0.3605, 0.2949**, and the grayscale version is **42.8885, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5052, 0.2872, 0.3597**, and **22.9223, 0.2717, 0.3773** is the 20% darker color. If you saturate the color by 10%, you get **46.4748, 0.2736, 0.3795**, and if you desaturate by 10%, it is **50.2324, 0.2898, 0.3540**.

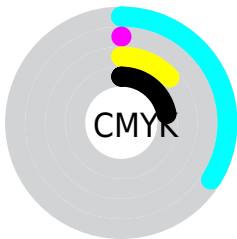
Distribution



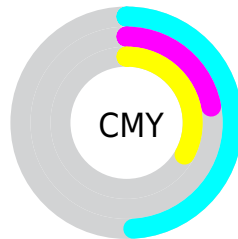
- Red (51%)
- Green (78%)
- Blue (67%)



- Red (51%)
- Yellow (68%)
- Blue (78%)



- Cyan (34%)
- Magenta (0%)
- Yellow (13%)
- Black (22%)





- Cyan (49%)
- Magenta (22%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.1920, 0.2812, 0.3663 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 48.1920, 0.2812, 0.3663 by changing the saturation by 10% instead.

 48.1920, 0.2812,
0.3663

 48.1920, 0.2812,
0.3663


379.5527, 0.2971,
0.3473

 33.9790, 0.2772,
0.3712


 87.4902, 0.2870,
0.3593

 22.8774, 0.2721,
0.3775


 113.3442, 0.2892,
0.3567

 14.5030, 0.2652,
0.3860


 143.8472, 0.2910,
0.3545

 8.4714, 0.2555,
0.3981

179.3837, 0.2926,
0.3527

 4.3980, 0.2410,
0.4167

220.3382, 0.2939,
0.3511

 1.8986, 0.2167,
0.4487

267.0949, 0.2951,

 0.5475, 0.0000,

0.3496

0.7805

320.0382, 0.2961,
0.3484

0.0000, 0.0000,
0.0000

48.1920, 0.2812,
0.3663

48.1920, 0.2812,
0.3663

46.4748, 0.2736,
0.3795

50.2324, 0.2898,
0.3540

45.0572, 0.2673,
0.3936

52.6061, 0.2991,
0.3428

43.9219, 0.2627,
0.4083


55.3303, 0.3089,
0.3326

43.0474, 0.2599,
0.4233

58.4190, 0.3188,
0.3235

42.4086, 0.2591,
0.4384


61.8856, 0.3288,
0.3155


 41.9756, 0.2603,
0.4532

 65.7427, 0.3386,
0.3083

 41.7774, 0.2617,
0.4622

 67.1322, 0.3368,
0.3010

 67.5631, 0.3310,
0.2934

 68.0132, 0.3253,
0.2861

Harmonies

Analogous

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



48.1920, 0.3180, 0.3920



48.1920, 0.2812, 0.3663



48.1920, 0.2539, 0.3295

Triad

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



48.1920, 0.2812, 0.3663



48.1920, 0.2694, 0.2667



48.1920, 0.3889, 0.3552

Complementary

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



48.1920, 0.2812, 0.3663



30.6653, 0.3605, 0.2949

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.



48.1920, 0.3746, 0.3239



48.1920, 0.2812, 0.3663



48.1920, 0.3037, 0.2749

Square

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



48.1920, 0.2812, 0.3663



48.1920, 0.2475, 0.2734



48.1920, 0.3426, 0.2953



48.1920, 0.3812, 0.3823

Rectangle

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



48.1920, 0.2812, 0.3663



48.1920, 0.2441, 0.3058



48.1920, 0.3426, 0.2953



48.1920, 0.3866, 0.3449

Sweetspot

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



48.1940, 0.2812, 0.3663



94.8593, 0.3027, 0.3389



49.2782, 0.3290, 0.4227



20.1604, 0.3013, 0.3404



0.0000, 0.0000, 0.0000



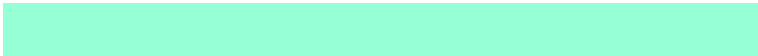
21.4041, 0.3127, 0.3290

Same Dimension

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



48.1940, 0.2812, 0.3663



82.9235, 0.2752, 0.3765



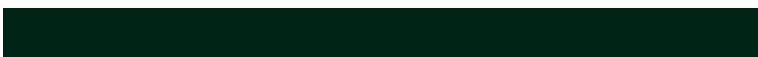
46.2959, 0.2640, 0.3195



11.9951, 0.3035, 0.3381



27.1829, 0.2612, 0.4602



1.3010, 0.2527, 0.4296

Inverse Universe

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



30.6653, 0.3605, 0.2949



46.9794, 0.3764, 0.2869



31.7283, 0.3883, 0.3382



10.7040, 0.3230, 0.3201



8.1704, 0.5404, 0.2750



0.4010, 0.4843, 0.2442

Previews

White Background



This preview shows how the Yxy color 48.1920, 0.2812, 0.3663 looks on a white background.

Color Contrast Check

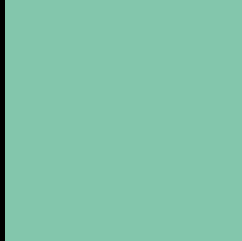
Large Text (above 18pt) WCAG AA × Fail

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 48.1920, 0.2812, 0.3663 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

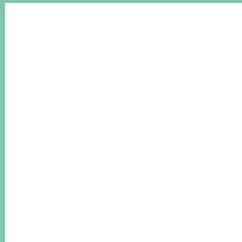
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.1920, 0.2812, 0.3663

Background



This preview shows how black text looks on a background with the Yxy color 48.1920, 0.2812, 0.3663.



This preview shows how white text looks on a background with the Yxy color 48.1920, 0.2812, 0.3663.

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

48.1920, 0.2812, 0.3663

Protanopia

47.7538, 0.3359, 0.3535

Deuteranopia

47.8127, 0.3374, 0.3315



Tritanopia

48.1830, 0.2633, 0.3087

Trichromacy



Original Color

48.1920, 0.2812, 0.3663

Protanomaly

47.3025, 0.3139, 0.3574

Deuteranomaly

47.1402, 0.3138, 0.3422

Tritanomaly

48.2046, 0.2696, 0.3289

Monochromacy



Original Color

48.1920, 0.2812, 0.3663

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.2939, 0.2997, 0.3415

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1920, 0.2812, 0.3663 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(131, 198, 172)` looks like.

```
.text, #text, p{  
    color:rgb(131, 198, 172)  
}
```

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(131, 198, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 198, 172) }
```

Border

The CSS property to change the border of an element to Yxy 48.1920, 0.2812, 0.3663 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(131, 198, 172) }
```

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

```
.border{ border-color:rgb(131, 198, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 198, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 198, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 198, 172);  
box-shadow:4px 4px 4px 4px rgb(131, 198,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1920, 0.2812, 0.3663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 198, 172) }
```

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

```
.background{ background-color: rgb(131,  
198, 172) }
```

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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