

Converting Colors

$Yxy(47.6013, 0.2663, 0.3247)$

Have a look what the booklet for
Yxy(47.6013, 0.2663, 0.3247)
contains.

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Color

Yxy(47.6013, 0.2663, 0.3247)

Conversions

Conversions Part 1

Format	Color
Hex	85C2C5
RGB	133, 194, 197
RGB Percent	52%, 76%, 77%
CMY	0.4785, 0.2392, 0.2274
CMYK	0.33, 0.02, 0.00, 0.23
HSL	183°, 36%, 65%
HSV	183°, 33%, 77%
XYZ	39.0398, 47.6013, 59.9598
YIQ	176.1030, -37.3190, -11.9990

Conversions

Conversions Part 2

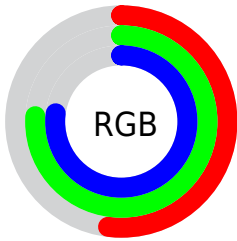
Format	Color
R _Y B	133, 164, 197
Decimal	8766149
CIE Lab	74.57, -18.73, -7.77
CIE LCh	75, 20.276, 202.538
Yxy	47.6013, 0.2663, 0.3247
Android (android.graphics.Color)	4286956229 (0xFF85C2C5)
YUV	176.1030, 10.3022, -37.8013
Hunter-Lab	68.9937, -19.7354, -3.2311

Details

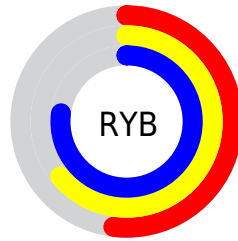
The Yxy color **47.6013, 0.2663, 0.3247** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.1654, 0.3856, 0.3332**, and the grayscale version is **43.4304, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8415, 0.2742, 0.3257**, and **22.4448, 0.2540, 0.3230** is the 20% darker color. If you saturate the color by 10%, you get **45.7377, 0.2545, 0.3232**, and if you desaturate by 10%, it is **49.7720, 0.2795, 0.3261**.

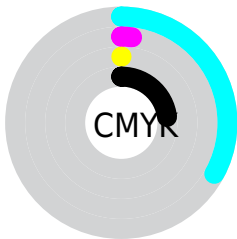
Distribution



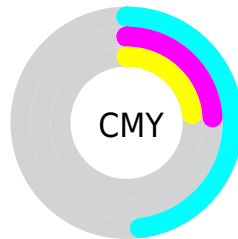
- Red (52%)
- Green (76%)
- Blue (77%)



- Red (52%)
- Yellow (64%)
- Blue (77%)



- Cyan (33%)
- Magenta (2%)
- Yellow (0%)
- Black (23%)





- Cyan (48%)
- Magenta (24%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.6013, 0.2663, 0.3247 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 47.6013, 0.2663, 0.3247 by changing the saturation by 10% instead.


 47.6013, 0.2663,
0.3247


 47.6013, 0.2663,
0.3247


377.2096, 0.2891,
0.3272


 33.5113, 0.2607,
0.3240


 86.6105, 0.2745,
0.3257

 22.5184, 0.2537,
0.3229


 112.2984, 0.2776,
0.3261

 14.2383, 0.2444,
0.3215


 142.6211, 0.2802,
0.3263

 8.2866, 0.2317,
0.3192

177.9629, 0.2825,
0.3266

 4.2789, 0.2134,
0.3154

218.7083, 0.2845,
0.3268

 1.8308, 0.1849,
0.3082

265.2416, 0.2862,

 0.5062, 0.0147,

0.3270

0.3104

317.9472, 0.2877,
0.3271

0.0000, 0.0000,
0.0000

47.6013, 0.2663,
0.3247

47.6013, 0.2663,
0.3247

45.7377, 0.2545,
0.3232

49.7720, 0.2795,
0.3261

44.1586, 0.2443,
0.3217

52.2596, 0.2938,
0.3275

42.8473, 0.2359,
0.3201

55.0805, 0.3088,
0.3287

41.7833, 0.2294,
0.3185

58.2482, 0.3244,
0.3298

40.9426, 0.2248,
0.3169

61.7757, 0.3402,
0.3309

■ 40.2969, 0.2219,
0.3154

■ 65.6750, 0.3560,
0.3318

■ 39.9013, 0.2206,
0.3143

■ 66.8208, 0.3589,
0.3327

■ 67.2514, 0.3587,
0.3337

■ 67.6845, 0.3585,
0.3346

Harmonies

Analogous

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



47.6013, 0.2850, 0.3514



47.6013, 0.2663, 0.3247



47.6013, 0.2596, 0.3008

Triad

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



47.6013, 0.2663, 0.3247



47.6013, 0.3118, 0.2906



47.6013, 0.3605, 0.3718

Complementary

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



47.6013, 0.2663, 0.3247



31.1654, 0.3856, 0.3332

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.



47.6013, 0.3688, 0.3535



47.6013, 0.2663, 0.3247



47.6013, 0.3400, 0.3077

Square

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



47.6013, 0.2663, 0.3247



47.6013, 0.2850, 0.2827



47.6013, 0.3613, 0.3302



47.6013, 0.3393, 0.3792

Rectangle

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



47.6013, 0.2663, 0.3247



47.6013, 0.2626, 0.2897



47.6013, 0.3613, 0.3302



47.6013, 0.3650, 0.3666

Sweetspot

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



47.6032, 0.2663, 0.3247



94.7198, 0.2973, 0.3278



46.6741, 0.3068, 0.4210



20.1259, 0.2951, 0.3276



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.



47.6032, 0.2663, 0.3247



82.8237, 0.2578, 0.3237



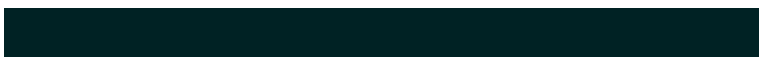
35.1593, 0.2607, 0.2793



11.9790, 0.2984, 0.3279



26.2767, 0.2207, 0.3145



1.2711, 0.2216, 0.3177

Inverse Universe

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



32.5343, 0.3194, 0.2525



51.8094, 0.3210, 0.2364



41.2480, 0.3726, 0.3739



10.8077, 0.3145, 0.3073



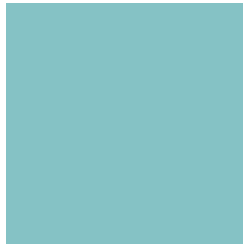
10.1926, 0.3329, 0.1607



0.4853, 0.3302, 0.1593

Previews

White Background



This preview shows how the Yxy color 47.6013, 0.2663, 0.3247 looks on a white background.

Color Contrast Check

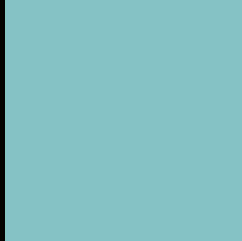
Large Text (above 18pt) WCAG AA × Fail

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 47.6013, 0.2663, 0.3247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

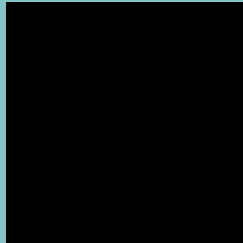
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.6013, 0.2663, 0.3247

Background



This preview shows how black text looks on a background with the Yxy color 47.6013, 0.2663, 0.3247.



This preview shows how white text looks on a background with the Yxy color 47.6013, 0.2663, 0.3247.

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

47.6013, 0.2663, 0.3247

Protanopia

47.3639, 0.3081, 0.3187

Deuteranopia

47.2174, 0.3072, 0.3017



Tritanopia

47.4876, 0.2613, 0.3072

Trichromacy



Original Color

47.6013, 0.2663, 0.3247

Protanomaly

46.9674, 0.2906, 0.3196

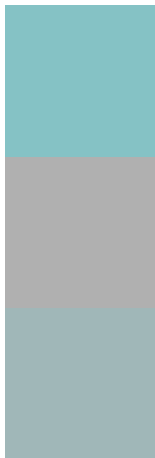
Deuteranomaly

47.0624, 0.2909, 0.3094

Tritanomaly

47.6505, 0.2632, 0.3138

Monochromacy



Original Color

47.6013, 0.2663, 0.3247

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.8012, 0.2931, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6013, 0.2663, 0.3247 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(133, 194, 197)` looks like.

```
.text, #text, p{  
    color:rgb(133, 194, 197)  
}
```

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(133, 194, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 194, 197) }
```

Border

The CSS property to change the border of an element to Yxy 47.6013, 0.2663, 0.3247 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(133, 194, 197) }
```

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

```
.border{ border-color:rgb(133, 194, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 194, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 194, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 194, 197);  
box-shadow:4px 4px 4px 4px rgb(133, 194,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6013, 0.2663, 0.3247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 194, 197) }
```

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

```
.background{ background-color: rgb(133,  
194, 197) }
```

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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