

Converting Colors

$Yxy(47.5286, 0.2613, 0.3288)$

Have a look what the booklet for
Yxy(47.5286, 0.2613, 0.3288)
contains.

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Color

Yxy(47.6763, 0.2612, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	7BC4C4
RGB	123, 196, 196
RGB Percent	48%, 77%, 77%
CMY	0.5177, 0.2314, 0.2312
CMYK	0.37, 0.00, 0.00, 0.23
HSL	180°, 38%, 63%
HSV	180°, 37%, 77%
XYZ	37.8742, 47.6763, 59.4504
YIQ	174.1730, -43.5080, -15.4760

Conversions

Conversions Part 2

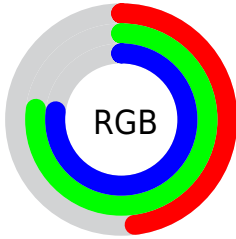
Format	Color
RYB	123, 160, 196
Decimal	8111300
CIELab	74.62, -22.67, -7.22
CIELCh	75, 23.792, 197.676
Yxy	47.6763, 0.2612, 0.3288
Android (android.graphics.Color)	4286301380 (0xFF7BC4C4)
YUV	174.1730, 10.7607, -44.8787
Hunter-Lab	69.0480, -22.9232, -2.7151

Details

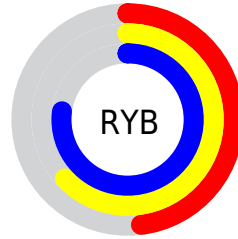
The Yxy color **47.6763, 0.2612, 0.3288** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.3431, 0.4027, 0.3293**, and the grayscale version is **42.3825, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9261, 0.2703, 0.3289**, and **22.5279, 0.2472, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **46.3704, 0.2506, 0.3288**, and if you desaturate by 10%, it is **49.2754, 0.2734, 0.3289**.

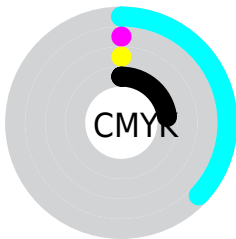
Distribution



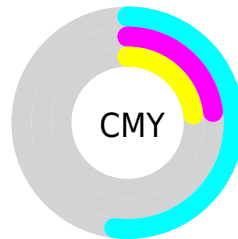
- Red (48%)
- Green (77%)
- Blue (77%)



- Red (48%)
- Yellow (63%)
- Blue (77%)



- Cyan (37%)
- Magenta (0%)
- Yellow (0%)
- Black (23%)



- Cyan (52%)
- Magenta (23%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.6763, 0.2612, 0.3288 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 47.6763, 0.2612, 0.3288 by changing the saturation by 10% instead.


 47.6763, 0.2612,
0.3288


 47.6763, 0.2612,
0.3288


377.5076, 0.2865,
0.3294


 33.5706, 0.2550,
0.3285


 86.7223, 0.2703,
0.3291

 22.5639, 0.2472,
0.3281


 112.4313, 0.2737,
0.3292

 14.2719, 0.2370,
0.3274


 142.7769, 0.2766,
0.3292

 8.3100, 0.2231,
0.3261

178.1436, 0.2792,
0.3293

 4.2939, 0.2030,
0.3238

218.9155, 0.2813,
0.3293

 1.8393, 0.1720,
0.3185

265.4773, 0.2833,

 0.5115, 0.0000,

0.3293

0.3244

318.2132, 0.2850,
0.3293

0.0000, 0.0000,
0.0000

47.6763, 0.2612,
0.3288

47.6763, 0.2612,
0.3288

46.3704, 0.2506,
0.3288

49.2754, 0.2734,
0.3289

45.3347, 0.2418,
0.3287

51.1781, 0.2870,
0.3289

44.5519, 0.2348,
0.3287


53.4009, 0.3016,
0.3290


44.0002, 0.2298,
0.3287

55.9577, 0.3170,
0.3290


43.6542, 0.2266,
0.3286

58.8615, 0.3329,
0.3291


 43.4785, 0.2250,
0.3286

 62.1246, 0.3489,
0.3291

 43.4427, 0.2246,
0.3286

 64.7553, 0.3607,
0.3292

 64.7593, 0.3607,
0.3292

 64.7632, 0.3607,
0.3292

Harmonies

Analogous

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



47.6763, 0.2848, 0.3601



47.6763, 0.2612, 0.3288



47.6763, 0.2511, 0.2996

Triad

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



47.6763, 0.2612, 0.3288



47.6763, 0.3061, 0.2822



47.6763, 0.3715, 0.3760

Complementary

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



47.6763, 0.2612, 0.3288



27.3431, 0.4027, 0.3293

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.



47.6763, 0.3785, 0.3530



47.6763, 0.2612, 0.3288



47.6763, 0.3396, 0.3004

Square

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



47.6763, 0.2612, 0.3288



47.6763, 0.2759, 0.2748



47.6763, 0.3666, 0.3257



47.6763, 0.3485, 0.3877

Rectangle

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



47.6763, 0.2612, 0.3288



47.6763, 0.2529, 0.2855



47.6763, 0.3666, 0.3257



47.6763, 0.3759, 0.3692

Sweetspot

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



47.6782, 0.2612, 0.3288



95.0548, 0.2958, 0.3289



45.1358, 0.3075, 0.4407



20.2263, 0.2937, 0.3289



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.



47.6782, 0.2612, 0.3288



84.3044, 0.2521, 0.3288



33.1714, 0.2534, 0.2745



11.4277, 0.2985, 0.3289



27.9034, 0.2246, 0.3286



1.2059, 0.2246, 0.3286

Inverse Universe

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



29.8907, 0.3170, 0.2380



47.3060, 0.3179, 0.2189



38.1440, 0.3844, 0.3775



10.2475, 0.3138, 0.3063



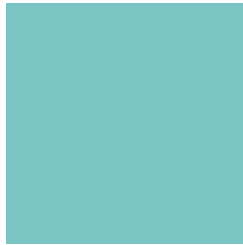
10.0991, 0.3210, 0.1542



0.4364, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 47.6763, 0.2612, 0.3288 looks on a white background.

Color Contrast Check

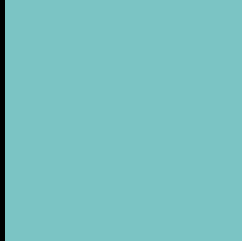
Large Text (above 18pt) WCAG AA × Fail

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 47.6763, 0.2612, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

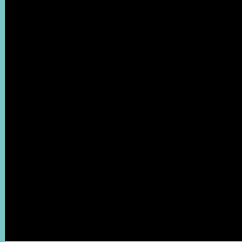
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

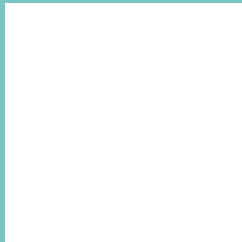
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.6763, 0.2612, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 47.6763, 0.2612, 0.3288.



This preview shows how white text looks on a background with the Yxy color 47.6763, 0.2612, 0.3288.

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

47.6763, 0.2612, 0.3288

Protanopia

47.3580, 0.3113, 0.3226

Deuteranopia

47.3484, 0.3080, 0.3017



Tritanopia

47.7487, 0.2551, 0.3070

Trichromacy



Original Color

47.6763, 0.2612, 0.3288

Protanomaly

46.9397, 0.2905, 0.3249

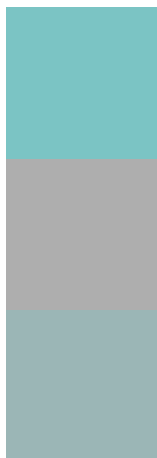
Deuteranomaly

47.1463, 0.2886, 0.3106

Tritanomaly

47.8736, 0.2576, 0.3151

Monochromacy



Original Color

47.6763, 0.2612, 0.3288

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.8019, 0.2905, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6763, 0.2612, 0.3288 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(123, 196, 196)` looks like.

```
.text, #text, p{  
    color:rgb(123, 196, 196)  
}
```

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(123, 196, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 196, 196) }
```

Border

The CSS property to change the border of an element to Yxy 47.6763, 0.2612, 0.3288 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(123, 196, 196) }
```

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

```
.border{ border-color:rgb(123, 196, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 196, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(123, 196, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(123, 196, 196); box-shadow:4px 4px 4px 4px rgb(123, 196, 196) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6763, 0.2612, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 196, 196) }
```

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

```
.background{ background-color: rgb(123,  
196, 196) }
```

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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