

Converting Colors

$Yxy(48.1706, 0.2662, 0.3486)$

Have a look what the booklet for
Yxy(48.1706, 0.2662, 0.3486)
contains.

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Color

Yxy(48.3427, 0.2665, 0.3489)

Conversions

Conversions Part 1

Format	Color
Hex	78C7B9
RGB	120, 199, 185
RGB Percent	47%, 78%, 73%
CMY	0.5295, 0.2196, 0.2745
CMYK	0.40, 0.00, 0.07, 0.22
HSL	169°, 41%, 63%
HSV	169°, 40%, 78%
XYZ	36.9256, 48.3427, 53.2892
YIQ	173.7830, -42.5900, -21.1020

Conversions

Conversions Part 2

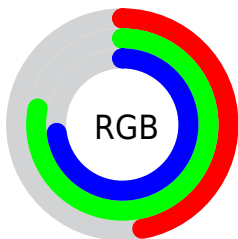
Format	Color
R_{YB}	120, 163, 199
Decimal	7915449
CIE _{Lab}	75.04, -27.58, -0.65
CIE _{LCh}	75, 27.586, 181.341
Yxy	48.3427, 0.2665, 0.3489
Android (android.graphics.Color)	4286105529 (0xFF78C7B9)
YUV	173.7830, 5.5300, -47.1677
Hunter-Lab	69.5289, -26.8774, 3.2285

Details

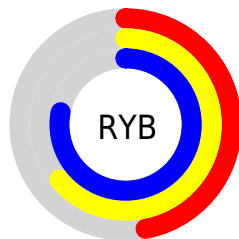
The Yxy color **48.3427, 0.2665, 0.3489** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.2940, 0.3935, 0.3107**, and the grayscale version is **42.1977, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1010, 0.2749, 0.3443**, and **23.0406, 0.2537, 0.3549** is the 20% darker color. If you saturate the color by 10%, you get **46.9197, 0.2577, 0.3548**, and if you desaturate by 10%, it is **50.0689, 0.2767, 0.3433**.

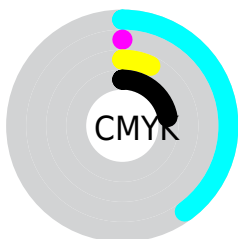
Distribution



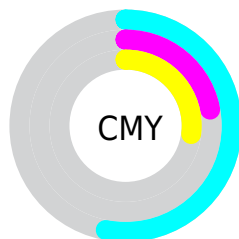
- Red (47%)
- Green (78%)
- Blue (73%)



- Red (47%)
- Yellow (64%)
- Blue (78%)



- Cyan (40%)
- Magenta (0%)
- Yellow (7%)
- Black (22%)




- Cyan (53%)
- Magenta (22%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.3427, 0.2665, 0.3489 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 48.3427, 0.2665, 0.3489 by changing the saturation by 10% instead.


 48.3427, 0.2665,
0.3489


 48.3427, 0.2665,
0.3489

380.1489, 0.2893,
0.3391


 34.0984, 0.2609,
0.3513


 87.7144, 0.2747,
0.3454

 22.9692, 0.2537,
0.3543


 113.6106, 0.2778,
0.3441

 14.5707, 0.2443,
0.3583


 144.1595, 0.2805,
0.3429

 8.5187, 0.2313,
0.3638

179.7456, 0.2828,
0.3419

 4.4286, 0.2125,
0.3717

220.7531, 0.2847,
0.3411

 1.9161, 0.1826,
0.3840

267.5666, 0.2865,

 0.5580, 0.0000,

0.3404

0.4609

320.5704, 0.2880,
0.3397

0.0000, 0.0000,
0.0000

48.3427, 0.2665,
0.3489

48.3427, 0.2665,
0.3489

46.9197, 0.2577,
0.3548

50.0689, 0.2767,
0.3433

45.7756, 0.2506,
0.3610

52.1095, 0.2881,
0.3381

44.8918, 0.2453,
0.3673


54.4819, 0.3003,
0.3333

44.2450, 0.2420,
0.3736


57.2008, 0.3131,
0.3289


43.8074, 0.2406,
0.3800

60.2799, 0.3262,
0.3249


 43.5283, 0.2407,
0.3863

 63.7321, 0.3395,
0.3214

 43.5208, 0.2407,
0.3865

 66.7463, 0.3492,
0.3182

 66.9236, 0.3464,
0.3146

 67.1048, 0.3437,
0.3110

Harmonies

Analogous

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



48.3427, 0.2996, 0.3815



48.3427, 0.2665, 0.3489



48.3427, 0.2463, 0.3120

Triad

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



48.3427, 0.2665, 0.3489



48.3427, 0.2849, 0.2692



48.3427, 0.3876, 0.3692

Complementary

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



48.3427, 0.2665, 0.3489



27.2940, 0.3935, 0.3107

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.



48.3427, 0.3839, 0.3391



48.3427, 0.2665, 0.3489



48.3427, 0.3226, 0.2837

Square

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



48.3427, 0.2665, 0.3489



48.3427, 0.2564, 0.2685



48.3427, 0.3596, 0.3086



48.3427, 0.3701, 0.3913

Rectangle

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



48.3427, 0.2665, 0.3489



48.3427, 0.2420, 0.2914



48.3427, 0.3596, 0.3086



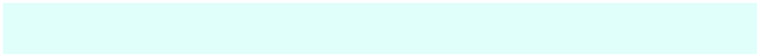
48.3427, 0.3889, 0.3596

Sweetspot

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



48.3446, 0.2665, 0.3489



94.3071, 0.2972, 0.3344



47.3124, 0.3177, 0.4457



20.0646, 0.2956, 0.3350



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.



48.3446, 0.2665, 0.3489



82.3757, 0.2585, 0.3542



38.3817, 0.2528, 0.2924



12.0341, 0.3007, 0.3331



27.9950, 0.2405, 0.3856



1.3343, 0.2368, 0.3724

Inverse Universe

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



27.2940, 0.3935, 0.3107



40.2681, 0.4223, 0.3068



33.7528, 0.3980, 0.3623



10.6671, 0.3262, 0.3249



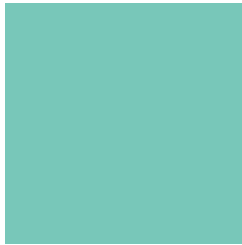
7.8959, 0.6114, 0.3142



0.3835, 0.5563, 0.2838

Previews

White Background



This preview shows how the Yxy color 48.3427, 0.2665, 0.3489 looks on a white background.

Color Contrast Check

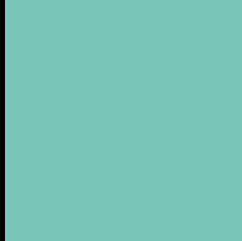
Large Text (above 18pt) WCAG AA × Fail

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 48.3427, 0.2665, 0.3489 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

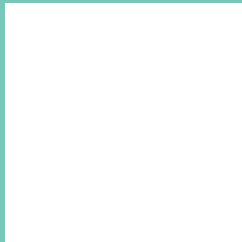
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.3427, 0.2665, 0.3489

Background



This preview shows how black text looks on a background with the Yxy color 48.3427, 0.2665, 0.3489.

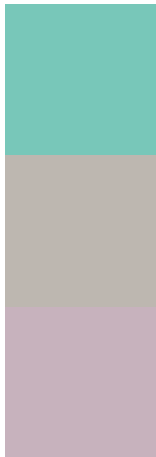


This preview shows how white text looks on a background with the Yxy color 48.3427, 0.2665, 0.3489.

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

48.3427, 0.2665, 0.3489

Protanopia

47.8204, 0.3234, 0.3380

Deuteranopia

47.6570, 0.3220, 0.3154



Tritanopia

48.2454, 0.2548, 0.3071

Trichromacy



Original Color

48.3427, 0.2665, 0.3489

Protanomaly

47.5424, 0.3000, 0.3425

Deuteranomaly

47.2947, 0.2982, 0.3263

Tritanomaly

48.0292, 0.2583, 0.3205

Monochromacy



Original Color

48.3427, 0.2665, 0.3489

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.9513, 0.2927, 0.3359

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3427, 0.2665, 0.3489 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(120, 199, 185)` looks like.

```
.text, #text, p{  
    color:rgb(120, 199, 185)  
}
```

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(120, 199, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 199, 185) }
```

Border

The CSS property to change the border of an element to Yxy 48.3427, 0.2665, 0.3489 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(120, 199, 185) }
```

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

```
.border{ border-color:rgb(120, 199, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 199, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 199, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 199, 185);  
box-shadow:4px 4px 4px 4px rgb(120, 199,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3427, 0.2665, 0.3489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 199, 185) }
```

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

```
.background{ background-color: rgb(120,  
199, 185) }
```

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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