

Converting Colors

$Yxy(47.8949, 0.2598, 0.3496)$

Have a look what the booklet for
Yxy(47.8949, 0.2598, 0.3496)
contains.

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Color

Yxy(47.9995, 0.2600, 0.3507)

Conversions

Conversions Part 1

Format	Color
Hex	6CC8B9
RGB	108, 200, 185
RGB Percent	42%, 78%, 73%
CMY	0.5769, 0.2156, 0.2745
CMYK	0.46, 0.00, 0.08, 0.22
HSL	170°, 46%, 60%
HSV	170°, 46%, 78%
XYZ	35.5856, 47.9995, 53.2826
YIQ	170.7820, -50.0170, -24.1690

Conversions

Conversions Part 2

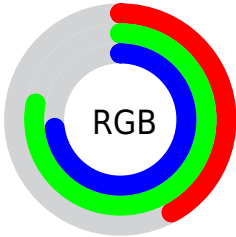
Format	Color
R _{YB}	108, 158, 200
Decimal	7129273
CIE _{Lab}	74.82, -31.12, -1.01
CIE _{LCh}	75, 31.132, 181.862
Y _{xy}	47.9995, 0.2600, 0.3507
Android (android.graphics.Color)	4285319353 (0xFF6CC8B9)
YUV	170.7820, 7.0095, -55.0598
Hunter-Lab	69.2817, -29.5588, 2.8989

Details

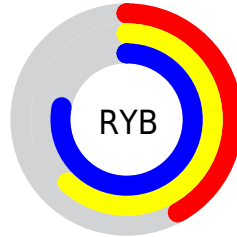
The Yxy color **47.9995, 0.2600, 0.3507** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **24.4147, 0.4152, 0.3096**, and the grayscale version is **40.5818, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7634, 0.2689, 0.3445**, and **22.9018, 0.2459, 0.3574** is the 20% darker color. If you saturate the color by 10%, you get **46.7530, 0.2521, 0.3563**, and if you desaturate by 10%, it is **49.5405, 0.2695, 0.3454**.

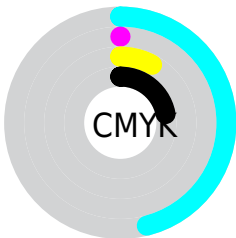
Distribution



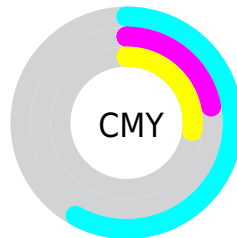
- Red (42%)
- Green (78%)
- Blue (73%)



- Red (42%)
- Yellow (62%)
- Blue (78%)



- Cyan (46%)
- Magenta (0%)
- Yellow (8%)
- Black (22%)





- Cyan (58%)
- Magenta (22%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.9995, 0.2600, 0.3507 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 47.9995, 0.2600, 0.3507 by changing the saturation by 10% instead.

 47.9995, 0.2600,
0.3507


 47.9995, 0.2600,
0.3507


378.7901, 0.2860,
0.3401


 33.8265, 0.2536,
0.3533


 87.2037, 0.2694,
0.3469

 22.7603, 0.2455,
0.3566


 113.0036, 0.2729,
0.3454

 14.4166, 0.2348,
0.3608


 143.4480, 0.2759,
0.3442

 8.4110, 0.2201,
0.3667

 178.9212, 0.2785,
0.3432

 4.3591, 0.1988,
0.3750

219.8076, 0.2808,
0.3422

 1.8764, 0.1654,
0.3878

266.4916, 0.2827,

 0.5341, 0.0000,

0.3414

0.4502

319.3577, 0.2845,
0.3407

0.0000, 0.0000,
0.0000

47.9995, 0.2600,
0.3507

47.9995, 0.2600,
0.3507

46.7530, 0.2521,
0.3563

49.5405, 0.2695,
0.3454

45.7754, 0.2461,
0.3620

51.3885, 0.2803,
0.3404

45.0459, 0.2419,
0.3678


53.5618, 0.2921,
0.3357


44.5386, 0.2397,
0.3736

56.0760, 0.3048,
0.3314


44.2203, 0.2393,
0.3794

58.9455, 0.3180,
0.3275

 44.1214, 0.2394,
0.3817

 62.1837, 0.3314,
0.3240

 65.8037, 0.3448,
0.3209

 67.2848, 0.3479,
0.3178

 67.4503, 0.3454,
0.3144

Harmonies

Analogous

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



47.9995, 0.2968, 0.3884



47.9995, 0.2600, 0.3507



47.9995, 0.2379, 0.3087

Triad

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



47.9995, 0.2600, 0.3507



47.9995, 0.2819, 0.2622



47.9995, 0.3972, 0.3742

Complementary

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



47.9995, 0.2600, 0.3507



24.4147, 0.4152, 0.3096

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.



47.9995, 0.3937, 0.3405



47.9995, 0.2600, 0.3507



47.9995, 0.3245, 0.2786

Square

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



47.9995, 0.2600, 0.3507



47.9995, 0.2499, 0.2609



47.9995, 0.3664, 0.3064



47.9995, 0.3767, 0.3995

Rectangle

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



47.9995, 0.2600, 0.3507



47.9995, 0.2334, 0.2856



47.9995, 0.3664, 0.3064



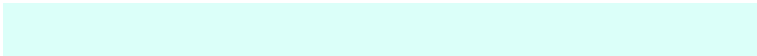
47.9995, 0.3989, 0.3635

Sweetspot

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



48.0014, 0.2600, 0.3507



93.4772, 0.2944, 0.3349



46.6274, 0.3166, 0.4677



19.8160, 0.2917, 0.3358



0.0000, 0.0000, 0.0000



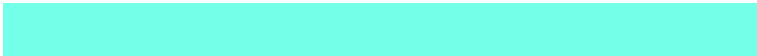
21.4041, 0.3127, 0.3290

Same Dimension

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



48.0014, 0.2600, 0.3507



80.9810, 0.2523, 0.3561



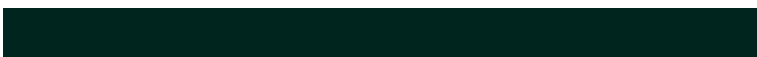
35.8455, 0.2436, 0.2831



12.0367, 0.3005, 0.3328



28.0595, 0.2391, 0.3809



1.3368, 0.2358, 0.3688

Inverse Universe

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



24.4147, 0.4152, 0.3096



35.2888, 0.4507, 0.3064



31.7143, 0.4160, 0.3696



10.6647, 0.3264, 0.3253



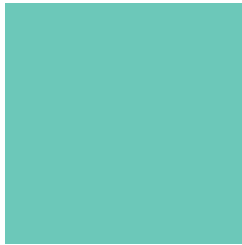
7.8851, 0.6147, 0.3160



0.3825, 0.5619, 0.2869

Previews

White Background



This preview shows how the Yxy color 47.9995, 0.2600, 0.3507 looks on a white background.

Color Contrast Check

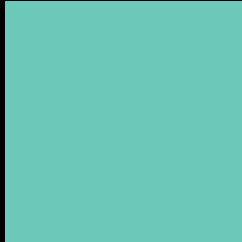
Large Text (above 18pt) WCAG AA × Fail

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 47.9995, 0.2600, 0.3507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

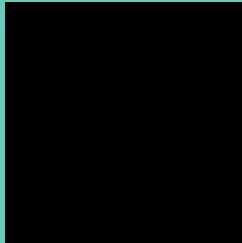
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

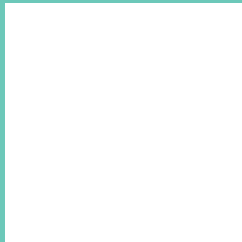
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.9995, 0.2600, 0.3507

Background



This preview shows how black text looks on a background with the Yxy color 47.9995, 0.2600, 0.3507.

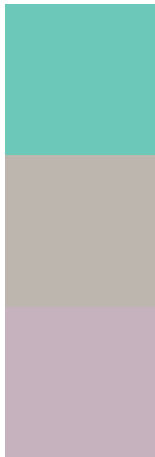


This preview shows how white text looks on a background with the Yxy color 47.9995, 0.2600, 0.3507.

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

47.9995, 0.2600, 0.3507

Protanopia

47.2424, 0.3235, 0.3381

Deuteranopia

47.5643, 0.3204, 0.3141



Tritanopia

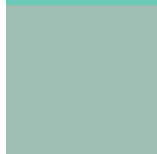
47.9463, 0.2485, 0.3068

Trichromacy



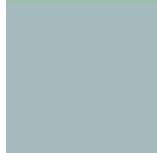
Original Color

47.9995, 0.2600, 0.3507



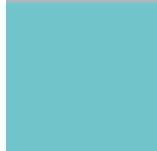
Protanomaly

47.0208, 0.2961, 0.3426



Deuteranomaly

46.7480, 0.2942, 0.3263



Tritanomaly

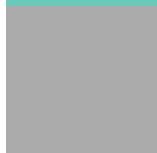
47.7075, 0.2525, 0.3218

Monochromacy



Original Color

47.9995, 0.2600, 0.3507



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

42.8864, 0.2894, 0.3375

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.9995, 0.2600, 0.3507 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(108, 200, 185)` looks like.

```
.text, #text, p{  
    color:rgb(108, 200, 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(108, 200, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 200, 185) }
```

Border

The CSS property to change the border of an element to Yxy 47.9995, 0.2600, 0.3507 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(108, 200, 185) }
```

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

```
.border{ border-color:rgb(108, 200, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 200, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 200, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 200, 185);  
box-shadow:4px 4px 4px 4px rgb(108, 200,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 47.9995, 0.2600, 0.3507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 200, 185) }
```

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

```
.background{ background-color: rgb(108,  
200, 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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