

Converting Colors

$Yxy(47.8674, 0.2530, 0.3429)$

Have a look what the booklet for
Yxy(47.8674, 0.2530, 0.3429)
contains.

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Color

Yxy(47.7795, 0.2527, 0.3419)

Conversions

Conversions Part 1

Format	Color
Hex	64C8BF
RGB	100, 200, 191
RGB Percent	39%, 78%, 75%
CMY	0.6078, 0.2157, 0.2510
CMYK	0.50, 0.00, 0.04, 0.22
HSL	175°, 48%, 59%
HSV	175°, 50%, 78%
XYZ	35.3141, 47.7795, 56.6534
YIQ	169.0740, -56.7110, -23.9990

Conversions

Conversions Part 2

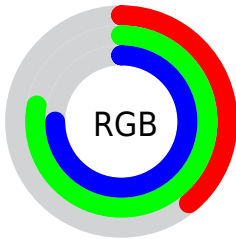
Format	Color
RYB	100, 152, 200
Decimal	6604991
CIELab	74.69, -31.44, -4.51
CIElCh	75, 31.757, 188.159
Yxy	47.7795, 0.2527, 0.3419
Android (android.graphics.Color)	4284795071 (0xFF64C8BF)
YUV	169.0740, 10.8095, -60.5779
Hunter-Lab	69.1227, -29.7710, -0.2086

Details

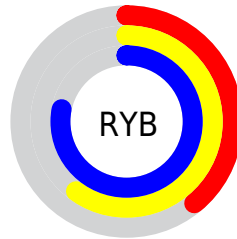
The Yxy color **47.7795, 0.2527, 0.3419** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **22.4990, 0.4398, 0.3177**, and the grayscale version is **39.6825, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5045, 0.2633, 0.3378**, and **22.7678, 0.2363, 0.3451** is the 20% darker color. If you saturate the color by 10%, you get **46.6987, 0.2450, 0.3449**, and if you desaturate by 10%, it is **49.1449, 0.2622, 0.3390**.

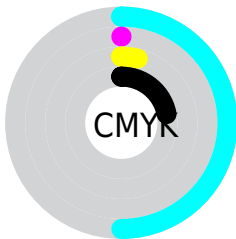
Distribution



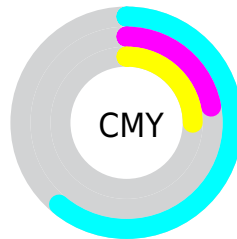
- Red (39%)
- Green (78%)
- Blue (75%)



- Red (39%)
- Yellow (60%)
- Blue (78%)



- Cyan (50%)
- Magenta (0%)
- Yellow (4%)
- Black (22%)





- Cyan (61%)
- Magenta (22%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.7795, 0.2527, 0.3419 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 47.7795, 0.2527, 0.3419 by changing the saturation by 10% instead.


 47.7795, 0.2527,
0.3419


 47.7795, 0.2527,
0.3419


377.9175, 0.2822,
0.3359


 33.6523, 0.2455,
0.3432


 86.8760, 0.2633,
0.3398

 22.6266, 0.2364,
0.3449


 112.6141, 0.2673,
0.3390

 14.3180, 0.2245,
0.3469


 142.9913, 0.2707,
0.3383

 8.3422, 0.2083,
0.3493

 178.3920, 0.2736,
0.3377

 4.3147, 0.1852,
0.3524

219.2005, 0.2762,
0.3372

 1.8511, 0.1495,
0.3557

265.8014, 0.2784,

 0.5187, 0.0000,

0.3367

0.3709

318.5789, 0.2804,
0.3363

0.0000, 0.0000,
0.0000

47.7795, 0.2527,
0.3419

47.7795, 0.2527,
0.3419

46.6987, 0.2450,
0.3449

49.1449, 0.2622,
0.3390

45.8760, 0.2392,
0.3480

50.8081, 0.2732,
0.3362

45.2896, 0.2352,
0.3510

52.7880, 0.2854,
0.3336


44.9114, 0.2332,
0.3541


55.1005, 0.2987,
0.3312

44.6877, 0.2325,
0.3571


57.7604, 0.3127,
0.3290

 44.6877, 0.2325,
0.3571

 60.7815, 0.3272,
0.3270

 64.1769, 0.3418,
0.3252

 66.9973, 0.3524,
0.3236

 67.0849, 0.3510,
0.3217

Harmonies

Analogous

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



47.7795, 0.2877, 0.3829



47.7795, 0.2527, 0.3419



47.7795, 0.2340, 0.3001

Triad

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



47.7795, 0.2527, 0.3419



47.7795, 0.2898, 0.2632



47.7795, 0.3965, 0.3815

Complementary

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



47.7795, 0.2527, 0.3419



22.4990, 0.4398, 0.3177

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.



47.7795, 0.3984, 0.3481



47.7795, 0.2527, 0.3419



47.7795, 0.3342, 0.2827

Square

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



47.7795, 0.2527, 0.3419



47.7795, 0.2542, 0.2584



47.7795, 0.3751, 0.3129



47.7795, 0.3712, 0.4043

Rectangle

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



47.7795, 0.2527, 0.3419



47.7795, 0.2322, 0.2787



47.7795, 0.3751, 0.3129



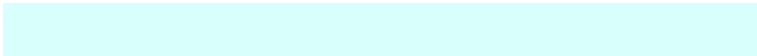
47.7795, 0.4000, 0.3711

Sweetspot

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



47.7814, 0.2527, 0.3419



93.2337, 0.2917, 0.3324



45.5454, 0.3119, 0.4833



19.7761, 0.2889, 0.3330



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.



47.7814, 0.2527, 0.3419



80.7096, 0.2444, 0.3452



32.0226, 0.2362, 0.2677



12.0505, 0.2996, 0.3311



28.4199, 0.2324, 0.3567



1.3506, 0.2307, 0.3503

Inverse Universe

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



22.4990, 0.4398, 0.3177



32.0183, 0.4855, 0.3164



31.9571, 0.4236, 0.3813



10.6522, 0.3276, 0.3270



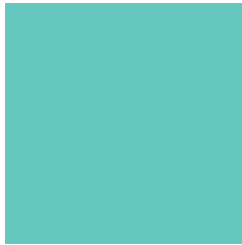
7.8413, 0.6287, 0.3237



0.3767, 0.5936, 0.3044

Previews

White Background



This preview shows how the Yxy color 47.7795, 0.2527, 0.3419 looks on a white background.

Color Contrast Check

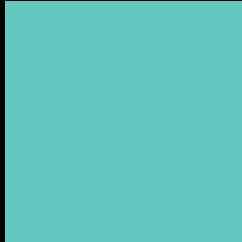
Large Text (above 18pt) WCAG AA × Fail

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 47.7795, 0.2527, 0.3419 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

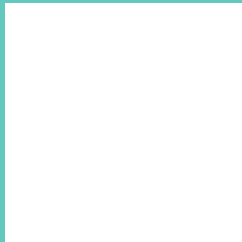
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.7795, 0.2527, 0.3419

Background



This preview shows how black text looks on a background with the Yxy color 47.7795, 0.2527, 0.3419.

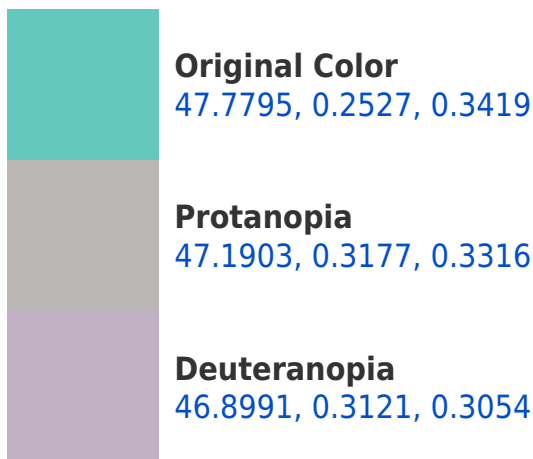


This preview shows how white text looks on a background with the Yxy color 47.7795, 0.2527, 0.3419.

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





Tritanopia

47.8624, 0.2437, 0.3066

Trichromacy



Original Color

47.7795, 0.2527, 0.3419

Protanomaly

46.8244, 0.2895, 0.3358

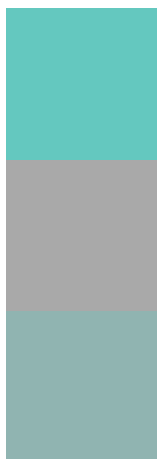
Deuteranomaly

46.0665, 0.2860, 0.3168

Tritanomaly

47.7390, 0.2467, 0.3189

Monochromacy



Original Color

47.7795, 0.2527, 0.3419

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

41.7461, 0.2854, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7795, 0.2527, 0.3419 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(100, 200, 191)` looks like.

```
.text, #text, p{  
    color:rgb(100, 200, 191)  
}
```

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(100, 200, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 200, 191) }
```

Border

The CSS property to change the border of an element to Yxy 47.7795, 0.2527, 0.3419 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(100, 200, 191) }
```

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

```
.border{ border-color:rgb(100, 200, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 200, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 200, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 200, 191);  
box-shadow:4px 4px 4px 4px rgb(100, 200,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7795, 0.2527, 0.3419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 200, 191) }
```

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

```
.background{ background-color: rgb(100,  
200, 191) }
```

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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