

Converting Colors

$Y_{xy}(46.5722, 0.2589, 0.3427)$

Have a look what the booklet for
Yxy(46.5722, 0.2589, 0.3427)
contains.

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Color

Yxy(46.7716, 0.2588, 0.3434)

Conversions

Conversions Part 1

Format	Color
Hex	6DC5BB
RGB	109, 197, 187
RGB Percent	43%, 77%, 73%
CMY	0.5722, 0.2275, 0.2667
CMYK	0.45, 0.00, 0.05, 0.23
HSL	173°, 43%, 60%
HSV	173°, 45%, 77%
XYZ	35.2490, 46.7716, 54.1810
YIQ	169.5480, -49.2380, -21.7660

Conversions

Conversions Part 2

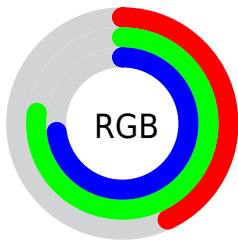
Format	Color
RYB	109, 156, 197
Decimal	7194043
CIELab	74.04, -28.89, -3.24
CIElCh	74, 29.069, 186.398
Yxy	46.7716, 0.2588, 0.3434
Android (android.graphics.Color)	4285384123 (0xFF6DC5BB)
YUV	169.5480, 8.6038, -53.1006
Hunter-Lab	68.3898, -27.6809, 0.9011

Details

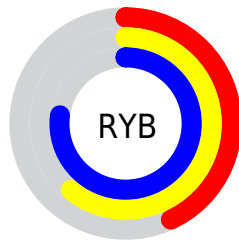
The Yxy color **46.7716, 0.2588, 0.3434** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **24.1570, 0.4164, 0.3160**, and the grayscale version is **39.9462, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3540, 0.2683, 0.3411**, and **22.0700, 0.2437, 0.3472** is the 20% darker color. If you saturate the color by 10%, you get **45.5647, 0.2503, 0.3472**, and if you desaturate by 10%, it is **48.2637, 0.2689, 0.3398**.

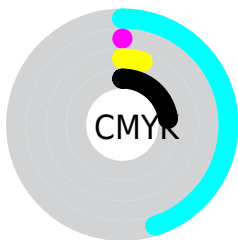
Distribution



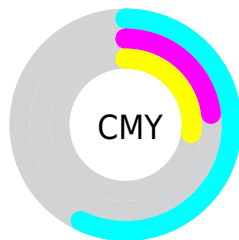
- Red (43%)
- Green (77%)
- Blue (73%)



- Red (43%)
- Yellow (61%)
- Blue (77%)



- Cyan (45%)
- Magenta (0%)
- Yellow (5%)
- Black (23%)





- Cyan (57%)
- Magenta (23%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7716, 0.2588, 0.3434 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 46.7716, 0.2588, 0.3434 by changing the saturation by 10% instead.


 46.7716, 0.2588,
0.3434

 46.7716, 0.2588,
0.3434


373.9021, 0.2855,
0.3365


 32.8551, 0.2523,
0.3450


 85.3726, 0.2684,
0.3410

 22.0155, 0.2439,
0.3470


 110.8259, 0.2720,
0.3400

 13.8683, 0.2330,
0.3496


 140.8936, 0.2751,
0.3393

 8.0291, 0.2179,
0.3529

175.9601, 0.2778,
0.3386

 4.1136, 0.1961,
0.3574

216.4099, 0.2801,
0.3380

 1.7373, 0.1616,
0.3635

262.6272, 0.2821,

 0.4476, 0.0000,

0.3374

0.3854

314.9964, 0.2839,
0.3370

0.0000, 0.0000,
0.0000

46.7716, 0.2588,
0.3434

46.7716, 0.2588,
0.3434

45.5647, 0.2503,
0.3472

48.2637, 0.2689,
0.3398

44.6186, 0.2436,
0.3511

50.0526, 0.2804,
0.3364

43.9138, 0.2388,
0.3550


52.1561, 0.2929,
0.3332

43.4257, 0.2360,
0.3589


54.5887, 0.3063,
0.3303

43.1244, 0.2348,
0.3628


57.3642, 0.3202,
0.3276

 43.0088, 0.2347,
0.3649

 60.4956, 0.3344,
0.3252

 63.9953, 0.3487,
0.3231

 65.5934, 0.3534,
0.3210

 65.7023, 0.3516,
0.3187

Harmonies

Analogous

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



46.7716, 0.2920, 0.3803



46.7716, 0.2588, 0.3434



46.7716, 0.2403, 0.3047

Triad

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



46.7716, 0.2588, 0.3434



46.7716, 0.2894, 0.2672



46.7716, 0.3908, 0.3763

Complementary

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



46.7716, 0.2588, 0.3434



24.1570, 0.4164, 0.3160

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.



46.7716, 0.3910, 0.3451



46.7716, 0.2588, 0.3434



46.7716, 0.3302, 0.2847

Square

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



46.7716, 0.2588, 0.3434



46.7716, 0.2570, 0.2638



46.7716, 0.3683, 0.3124



46.7716, 0.3687, 0.3978

Rectangle

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



46.7716, 0.2588, 0.3434



46.7716, 0.2379, 0.2842



46.7716, 0.3683, 0.3124



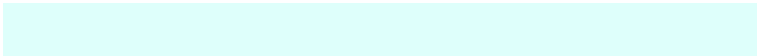
46.7716, 0.3935, 0.3665

Sweetspot

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



46.7734, 0.2588, 0.3434



94.0055, 0.2948, 0.3328



44.9811, 0.3134, 0.4640



19.9255, 0.2919, 0.3334



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.



46.7734, 0.2588, 0.3434



81.5749, 0.2502, 0.3473



33.5855, 0.2444, 0.2779



12.0460, 0.2999, 0.3316



28.2988, 0.2346, 0.3644



1.3460, 0.2323, 0.3563

Inverse Universe

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



24.1570, 0.4164, 0.3160



35.7449, 0.4552, 0.3137



32.5538, 0.4088, 0.3741



10.6562, 0.3272, 0.3264



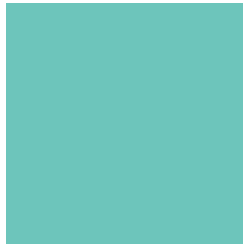
7.8532, 0.6249, 0.3216



0.3786, 0.5828, 0.2984

Previews

White Background



This preview shows how the Yxy color 46.7716, 0.2588, 0.3434 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 46.7716, 0.2588, 0.3434 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

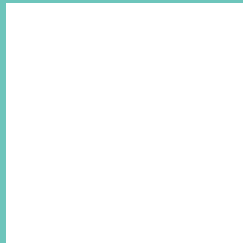
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.7716, 0.2588, 0.3434

Background



This preview shows how black text looks on a background with the Yxy color 46.7716, 0.2588, 0.3434.

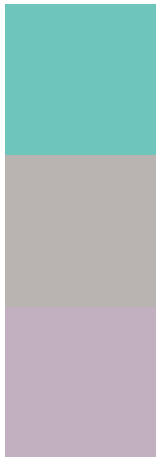


This preview shows how white text looks on a background with the Yxy color 46.7716, 0.2588, 0.3434.

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

46.7716, 0.2588, 0.3434

Protanopia

46.1311, 0.3195, 0.3329

Deuteranopia

46.3258, 0.3154, 0.3090



Tritanopia

46.9000, 0.2496, 0.3080

Trichromacy



Original Color

46.7716, 0.2588, 0.3434

Protanomaly

45.6221, 0.2930, 0.3358

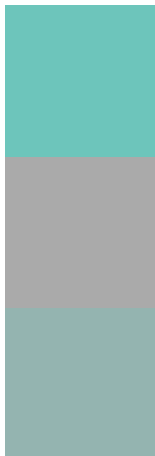
Deuteranomaly

45.7852, 0.2911, 0.3209

Tritanomaly

46.7580, 0.2526, 0.3203

Monochromacy



Original Color

46.7716, 0.2588, 0.3434

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

42.0730, 0.2893, 0.3347

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7716, 0.2588, 0.3434 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(109, 197, 187)` looks like.

```
.text, #text, p{  
    color:rgb(109, 197, 187)  
}
```

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(109, 197, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 197, 187) }
```

Border

The CSS property to change the border of an element to Yxy 46.7716, 0.2588, 0.3434 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(109, 197, 187) }
```

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

```
.border{ border-color:rgb(109, 197, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 197, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 197, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 197, 187); box-shadow:4px 4px 4px 4px rgb(109, 197, 187) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7716, 0.2588, 0.3434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 197, 187) }
```

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

```
.background{ background-color: rgb(109,  
197, 187) }
```

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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