

Converting Colors

$Y_{xy}(44.9440, 0.2636, 0.3564)$

Have a look what the booklet for
Yxy(44.9440, 0.2636, 0.3564)
contains.

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Color

Yxy(44.8440, 0.2634, 0.3559)

Conversions

Conversions Part 1

Format	Color
Hex	6BC2B0
RGB	107, 194, 176
RGB Percent	42%, 76%, 69%
CMY	0.5804, 0.2392, 0.3099
CMYK	0.45, 0.00, 0.09, 0.24
HSL	168°, 42%, 59%
HSV	168°, 45%, 76%
XYZ	33.1888, 44.8440, 47.9688
YIQ	165.9350, -46.0740, -24.0420

Conversions

Conversions Part 2

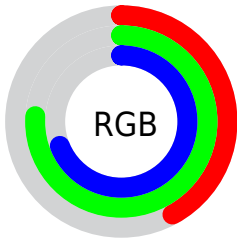
Format	Color
RYB	107, 156, 194
Decimal	7062192
CIELab	72.79, -30.62, 0.90
CIElCh	73, 30.634, 178.311
Yxy	44.8440, 0.2634, 0.3559
Android (android.graphics.Color)	4285252272 (0xFF6BC2B0)
YUV	165.9350, 4.9620, -51.6860
Hunter-Lab	66.9657, -28.7235, 4.4054

Details

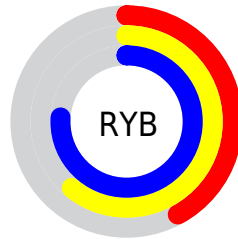
The Yxy color **44.8440, 0.2634, 0.3559** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.4651, 0.4055, 0.3049**, and the grayscale version is **38.0916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6071, 0.2723, 0.3505**, and **20.8895, 0.2490, 0.3629** is the 20% darker color. If you saturate the color by 10%, you get **43.6185, 0.2557, 0.3630**, and if you desaturate by 10%, it is **46.3475, 0.2726, 0.3491**.

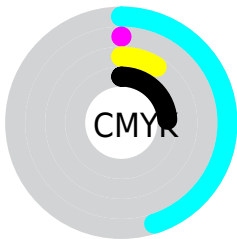
Distribution



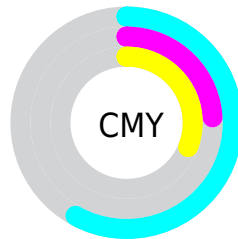
- Red (42%)
- Green (76%)
- Blue (69%)



- Red (42%)
- Yellow (61%)
- Blue (76%)



- Cyan (45%)
- Magenta (0%)
- Yellow (9%)
- Black (24%)





- Cyan (58%)
- Magenta (24%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8440, 0.2634, 0.3559 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 44.8440, 0.2634, 0.3559 by changing the saturation by 10% instead.


 44.8440, 0.2634,
0.3559


 44.8440, 0.2634,
0.3559


366.1414, 0.2881,
0.3424

 31.3346, 0.2572,
0.3593


 82.4863, 0.2724,
0.3510


 20.8537, 0.2493,
0.3637


 107.3879, 0.2758,
0.3491

 13.0171, 0.2387,
0.3696


 136.8557, 0.2786,
0.3475

 7.4403, 0.2240,
0.3778

 171.2741, 0.2811,
0.3462

 3.7390, 0.2021,
0.3901

211.0275, 0.2832,
0.3451

 1.5287, 0.1616,
0.4129

256.5002, 0.2850,

 0.3088, 0.0000,

0.3440

0.5307

308.0767, 0.2867,
0.3432

0.0000, 0.0000,
0.0000

44.8440, 0.2634,
0.3559

44.8440, 0.2634,
0.3559

43.6185, 0.2557,
0.3630

46.3475, 0.2726,
0.3491

42.6474, 0.2497,
0.3704

48.1402, 0.2831,
0.3427

41.9119, 0.2457,
0.3779


50.2394, 0.2945,
0.3368


41.3882, 0.2436,
0.3855


52.6590, 0.3067,
0.3314


41.0475, 0.2433,
0.3930

55.4125, 0.3192,
0.3266

 40.9136, 0.2436,
0.3969

 58.5124, 0.3319,
0.3222

 61.9705, 0.3446,
0.3183

 64.4075, 0.3513,
0.3146

 64.6081, 0.3481,
0.3105

Harmonies

Analogous

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



44.8440, 0.3017, 0.3922



44.8440, 0.2634, 0.3559



44.8440, 0.2391, 0.3132

Triad

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



44.8440, 0.2634, 0.3559



44.8440, 0.2772, 0.2608



44.8440, 0.3987, 0.3707

Complementary

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



44.8440, 0.2634, 0.3559



23.4651, 0.4055, 0.3049

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.



44.8440, 0.3921, 0.3363



44.8440, 0.2634, 0.3559



44.8440, 0.3193, 0.2757

Square

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



44.8440, 0.2634, 0.3559



44.8440, 0.2467, 0.2614



44.8440, 0.3622, 0.3025



44.8440, 0.3807, 0.3977

Rectangle

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



44.8440, 0.2634, 0.3559



44.8440, 0.2331, 0.2890



44.8440, 0.3622, 0.3025



44.8440, 0.3994, 0.3596

Sweetspot

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



44.8458, 0.2634, 0.3559



91.6944, 0.2965, 0.3359



44.0720, 0.3200, 0.4619



19.8771, 0.2938, 0.3372



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.



44.8458, 0.2634, 0.3559



79.0185, 0.2557, 0.3630



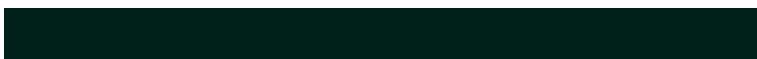
35.5280, 0.2466, 0.2915



11.3915, 0.3011, 0.3338



26.9094, 0.2433, 0.3959



1.1719, 0.2387, 0.3792

Inverse Universe

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



23.4651, 0.4055, 0.3049



35.3247, 0.4391, 0.3004



28.9383, 0.4149, 0.3627



10.1113, 0.3257, 0.3243



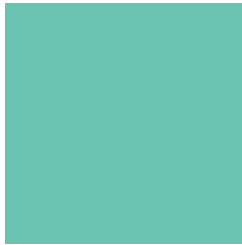
7.6522, 0.6033, 0.3097



0.3409, 0.5408, 0.2753

Previews

White Background



This preview shows how the Yxy color 44.8440, 0.2634, 0.3559 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 44.8440, 0.2634, 0.3559 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

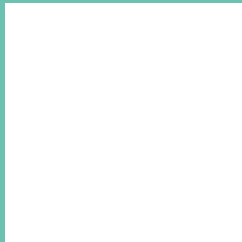
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.8440, 0.2634, 0.3559

Background



This preview shows how black text looks on a background with the Yxy color 44.8440, 0.2634, 0.3559.

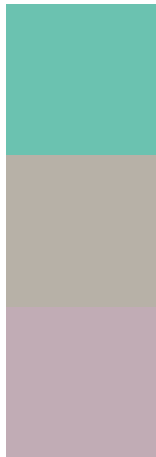


This preview shows how white text looks on a background with the Yxy color 44.8440, 0.2634, 0.3559.

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

44.8440, 0.2634, 0.3559

Protanopia

44.3016, 0.3263, 0.3423

Deuteranopia

44.1787, 0.3240, 0.3175



Tritanopia

44.8795, 0.2502, 0.3076

Trichromacy



Original Color

44.8440, 0.2634, 0.3559

Protanomaly

43.7378, 0.2994, 0.3473

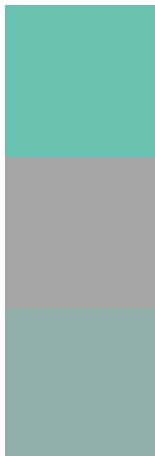
Deuteranomaly

43.5786, 0.2983, 0.3303

Tritanomaly

44.6014, 0.2550, 0.3245

Monochromacy



Original Color

44.8440, 0.2634, 0.3559

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.9727, 0.2911, 0.3377

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8440, 0.2634, 0.3559 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(107, 194, 176)` looks like.

```
.text, #text, p{  
    color:rgb(107, 194, 176)  
}
```

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(107, 194, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 194, 176) }
```

Border

The CSS property to change the border of an element to Yxy 44.8440, 0.2634, 0.3559 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(107, 194, 176) }
```

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

```
.border{ border-color:rgb(107, 194, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 194, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(107, 194, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(107, 194, 176); box-shadow:4px 4px 4px 4px rgb(107, 194, 176) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8440, 0.2634, 0.3559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 194, 176) }
```

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

```
.background{ background-color: rgb(107,  
194, 176) }
```

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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