

Converting Colors

$Y_{xy}(44.9641, 0.2741, 0.3631)$

Have a look what the booklet for
Yxy(44.9641, 0.2741, 0.3631)
contains.

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Color

Yxy(44.9641, 0.2741, 0.3631)

Conversions

Conversions Part 1	
Format	Color
Hex	77C1AA
RGB	119, 193, 170
RGB Percent	47%, 76%, 67%
CMY	0.5330, 0.2432, 0.3333
CMYK	0.38, 0.00, 0.12, 0.24
HSL	161°, 37%, 61%
HSV	161°, 38%, 76%
XYZ	33.9429, 44.9641, 44.9269
YIQ	168.2520, -36.7210, -22.8410

Conversions

Conversions Part 2

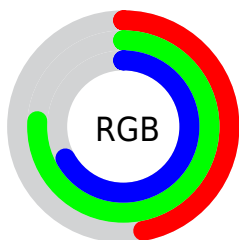
Format	Color
RYB	119, 163, 193
Decimal	7848362
CIELab	72.87, -28.32, 4.33
CIELCh	73, 28.644, 171.313
Yxy	44.9641, 0.2741, 0.3631
Android (android.graphics.Color)	4286038442 (0xFF77C1AA)
YUV	168.2520, 0.8618, -43.1940
Hunter-Lab	67.0553, -26.9914, 7.2145

Details

The Yxy color **44.9641, 0.2741, 0.3631** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.5048, 0.3764, 0.2980**, and the grayscale version is **39.3076, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8061, 0.2814, 0.3572**, and **20.8971, 0.2623, 0.3733** is the 20% darker color. If you saturate the color by 10%, you get **43.5132, 0.2663, 0.3738**, and if you desaturate by 10%, it is **46.7064, 0.2831, 0.3531**.

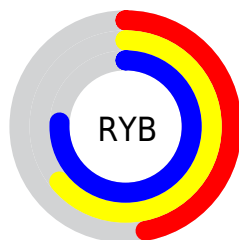
Distribution



Red (47%)

Green (76%)

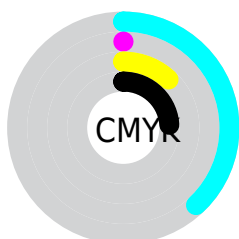
Blue (67%)



Red (47%)

Yellow (64%)

Blue (76%)

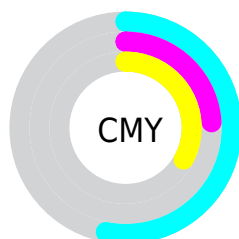


Cyan (38%)

Magenta (0%)

Yellow (12%)

Black (24%)



Cyan (53%)


Magenta (24%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.9641, 0.2741, 0.3631 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 44.9641, 0.2741, 0.3631 by changing the saturation by 10% instead.


 44.9641, 0.2741,
0.3631

 44.9641, 0.2741,
0.3631


366.6281, 0.2936,
0.3456


 31.4291, 0.2692,
0.3676


 82.6665, 0.2813,
0.3567

 20.9259, 0.2628,
0.3735


 107.6028, 0.2839,
0.3543

 13.0698, 0.2542,
0.3814


 137.1083, 0.2862,
0.3523

 7.4766, 0.2421,
0.3928

171.5675, 0.2881,
0.3505

 3.7619, 0.2238,
0.4104

211.3646, 0.2898,
0.3491

 1.5413, 0.1904,
0.4427

256.8842, 0.2912,


 0.3175, 0.0000,


0.3478


0.8801

308.5106, 0.2925,
0.3466


 0.0000, 0.0000,
0.0000


 44.9641, 0.2741,
0.3631

 44.9641, 0.2741,
0.3631


 43.5132, 0.2663,
0.3738

 46.7064, 0.2831,
0.3531

 42.3311, 0.2601,
0.3850


 48.7501, 0.2931,
0.3438


 41.4007, 0.2556,
0.3967


 51.1115, 0.3036,
0.3354

 40.7009, 0.2530,
0.4085


 53.8042, 0.3146,
0.3278

 40.2065, 0.2524,
0.4203

 56.8408, 0.3257,
0.3209

 39.8781, 0.2536,
0.4320

 60.2334, 0.3368,
0.3149

 39.8284, 0.2539,
0.4340

 63.9934, 0.3477,
0.3095

 64.4575, 0.3436,
0.3035

 64.7774, 0.3389,
0.2976

Harmonies

Analogous

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



44.9641, 0.3120, 0.3932



44.9641, 0.2741, 0.3631



44.9641, 0.2476, 0.3235

Triad

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



44.9641, 0.2741, 0.3631



44.9641, 0.2716, 0.2637



44.9641, 0.3938, 0.3612

Complementary

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



44.9641, 0.2741, 0.3631



26.5048, 0.3764, 0.2980

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.



44.9641, 0.3820, 0.3284



44.9641, 0.2741, 0.3631



44.9641, 0.3092, 0.2744

Square

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



44.9641, 0.2741, 0.3631



44.9641, 0.2463, 0.2681



44.9641, 0.3503, 0.2975



44.9641, 0.3821, 0.3887

Rectangle

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



44.9641, 0.2741, 0.3631



44.9641, 0.2391, 0.2991



44.9641, 0.3503, 0.2975



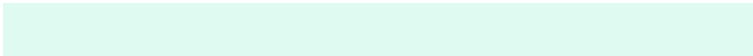
44.9641, 0.3925, 0.3505

Sweetspot

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



44.9659, 0.2741, 0.3631



90.2758, 0.3005, 0.3377



45.2631, 0.3255, 0.4380



19.2409, 0.2991, 0.3389



97.7402, 0.3127, 0.3290



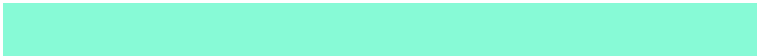
20.4902, 0.3127, 0.3290

Same Dimension

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



44.9659, 0.2741, 0.3631



78.3190, 0.2674, 0.3721



40.1946, 0.2572, 0.3090



11.3734, 0.3025, 0.3363



26.5089, 0.2535, 0.4325



1.1573, 0.2462, 0.4064

Inverse Universe

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



26.5048, 0.3764, 0.2980



40.5465, 0.3978, 0.2913



29.3451, 0.3989, 0.3478



10.1283, 0.3241, 0.3219



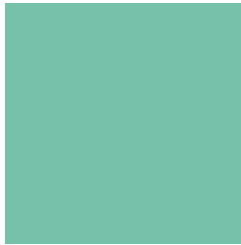
7.7705, 0.5697, 0.2912



0.3484, 0.5048, 0.2555

Previews

White Background



This preview shows how the Yxy color 44.9641, 0.2741, 0.3631 looks on a white background.

Color Contrast Check

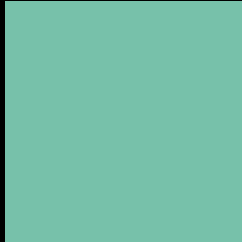
Large Text (above 18pt) WCAG AA × Fail

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 44.9641, 0.2741, 0.3631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

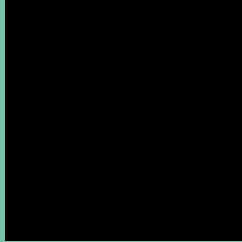
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.9641, 0.2741, 0.3631

Background



This preview shows how black text looks on a background with the Yxy color 44.9641, 0.2741, 0.3631.

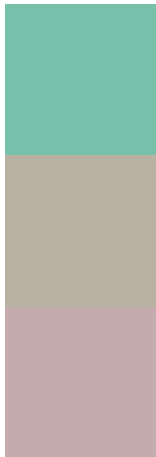


This preview shows how white text looks on a background with the Yxy color 44.9641, 0.2741, 0.3631.

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

44.9641, 0.2741, 0.3631

Protanopia

44.3672, 0.3323, 0.3490

Deuteranopia

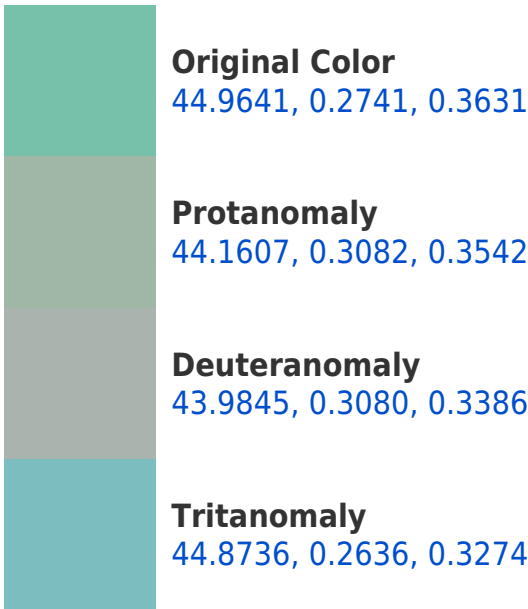
44.2968, 0.3329, 0.3265



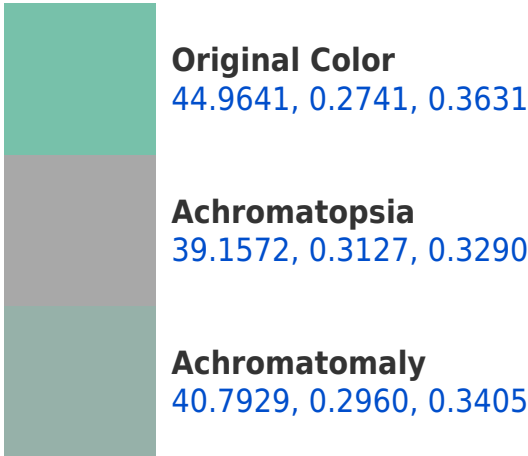
Tritanopia

44.7903, 0.2579, 0.3079

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9641, 0.2741, 0.3631 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(119, 193, 170)` looks like.

```
.text, #text, p{  
    color:rgb(119, 193, 170)  
}
```

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(119, 193, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 193, 170) }
```

Border

The CSS property to change the border of an element to Yxy 44.9641, 0.2741, 0.3631 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(119, 193, 170) }
```

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

```
.border{ border-color:rgb(119, 193, 170) }
```

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

Here you see how a box with a 4 pixel rgb(119, 193, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 193, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 193, 170);  
box-shadow:4px 4px 4px 4px rgb(119, 193,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9641, 0.2741, 0.3631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 193, 170) }
```

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

```
.background{ background-color: rgb(119,  
193, 170) }
```

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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