

Converting Colors

$Y_{xy}(42.5740, 0.2777, 0.3533)$

Have a look what the booklet for
Yxy(42.5740, 0.2777, 0.3533)
contains.

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Color

Yxy(42.4557, 0.2777, 0.3528)

Conversions

Conversions Part 1

Format	Color
Hex	7EBAAA
RGB	126, 186, 170
RGB Percent	49%, 73%, 67%
CMY	0.5059, 0.2706, 0.3333
CMYK	0.32, 0.00, 0.09, 0.27
HSL	164°, 30%, 61%
HSV	164°, 32%, 73%
XYZ	33.4182, 42.4557, 44.4654
YIQ	166.2360, -30.6240, -17.6960

Conversions

Conversions Part 2

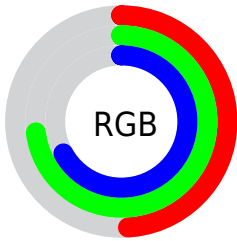
Format	Color
RYB	126, 161, 186
Decimal	8305322
CIELab	71.18, -22.89, 1.93
CIELCh	71, 22.975, 175.170
Yxy	42.4557, 0.2777, 0.3528
Android (android.graphics.Color)	4286495402 (0xFF7EBAAA)
YUV	166.2360, 1.8557, -35.2870
Hunter-Lab	65.1580, -22.4776, 5.1497

Details

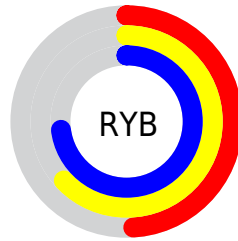
The Yxy color **42.4557, 0.2777, 0.3528** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **27.3128, 0.3660, 0.3067**, and the grayscale version is **38.2556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6438, 0.2841, 0.3482**, and **19.5389, 0.2673, 0.3607** is the 20% darker color. If you saturate the color by 10%, you get **40.9883, 0.2687, 0.3615**, and if you desaturate by 10%, it is **44.1965, 0.2878, 0.3447**.

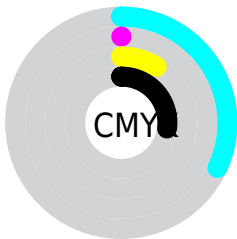
Distribution



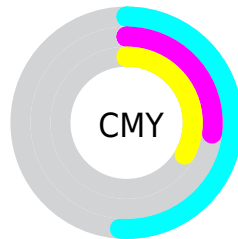
- Red (49%)
- Green (73%)
- Blue (67%)



- Red (49%)
- Yellow (63%)
- Blue (73%)



- Cyan (32%)
- Magenta (0%)
- Yellow (9%)
- Black (27%)




- Cyan (51%)
- Magenta (27%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.4557, 0.2777, 0.3528 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 42.4557, 0.2777, 0.3528 by changing the saturation by 10% instead.


 42.4557, 0.2777,
0.3528

 42.4557, 0.2777,
0.3528


356.3685, 0.2955,
0.3406


 29.4583, 0.2732,
0.3559


 78.8888, 0.2842,
0.3483

 19.4278, 0.2673,
0.3600


 103.0934, 0.2867,
0.3466

 11.9798, 0.2594,
0.3656


 131.8024, 0.2887,
0.3452

 6.7299, 0.2481,
0.3735

165.4003, 0.2905,
0.3440

 3.2938, 0.2310,
0.3858

204.2714, 0.2920,
0.3430

 1.2870, 0.1968,
0.4099

248.8003, 0.2933,

 0.1311, 0.0000,

0.3421

0.9460

299.3712, 0.2945,
0.3413

0.0000, 0.0000,
0.0000

42.4557, 0.2777,
0.3528

42.4557, 0.2777,
0.3528

40.9883, 0.2687,
0.3615

44.1965, 0.2878,
0.3447

39.7745, 0.2611,
0.3707

46.2191, 0.2987,
0.3372

38.7999, 0.2551,
0.3804

48.5378, 0.3101,
0.3304

38.0465, 0.2510,
0.3902

51.1646, 0.3218,
0.3243

37.4937, 0.2488,
0.4002

54.1105, 0.3336,
0.3189

■ 37.1171, 0.2486,
0.4101

■ 57.3862, 0.3452,
0.3141

■ 36.9091, 0.2494,
0.4178

■ 60.7740, 0.3557,
0.3098

■ 61.0169, 0.3515,
0.3047

■ 61.2675, 0.3474,
0.2997

Harmonies

Analogous

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



42.4557, 0.3082, 0.3785



42.4557, 0.2777, 0.3528



42.4557, 0.2571, 0.3209

Triad

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



42.4557, 0.2777, 0.3528



42.4557, 0.2826, 0.2753



42.4557, 0.3787, 0.3595

Complementary

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



42.4557, 0.2777, 0.3528



27.3128, 0.3660, 0.3067

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.



42.4557, 0.3715, 0.3325



42.4557, 0.2777, 0.3528



42.4557, 0.3145, 0.2857

Square

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



42.4557, 0.2777, 0.3528



42.4557, 0.2598, 0.2776



42.4557, 0.3475, 0.3061



42.4557, 0.3672, 0.3804

Rectangle

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



42.4557, 0.2777, 0.3528



42.4557, 0.2512, 0.3016



42.4557, 0.3475, 0.3061



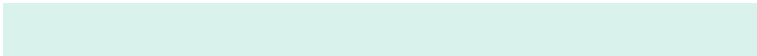
42.4557, 0.3784, 0.3508

Sweetspot

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



42.4574, 0.2777, 0.3528



84.6065, 0.3010, 0.3357



42.3765, 0.3214, 0.4193



18.5072, 0.2994, 0.3367



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



42.4574, 0.2777, 0.3528



74.9408, 0.2709, 0.3592



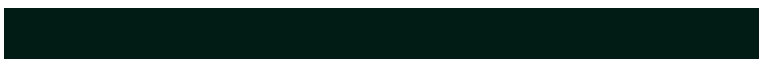
37.4865, 0.2647, 0.3080



10.1687, 0.3020, 0.3352



24.8429, 0.2490, 0.4165



0.8854, 0.2420, 0.3911

Inverse Universe

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



27.3128, 0.3660, 0.3067



43.0457, 0.3838, 0.3015



30.7012, 0.3795, 0.3489



9.0505, 0.3247, 0.3229



7.1865, 0.5845, 0.2993



0.2640, 0.5093, 0.2579

Previews

White Background



This preview shows how the Yxy color 42.4557, 0.2777, 0.3528 looks on a white background.

Color Contrast Check

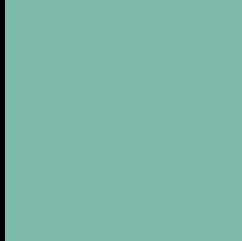
Large Text (above 18pt) WCAG AA × Fail

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 42.4557, 0.2777, 0.3528 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 42.4557, 0.2777, 0.3528

Background



This preview shows how black text looks on a background with the Yxy color 42.4557, 0.2777, 0.3528.

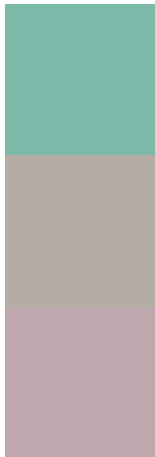


This preview shows how white text looks on a background with the Yxy color 42.4557, 0.2777, 0.3528.

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

42.4557, 0.2777, 0.3528

Protanopia

42.1152, 0.3266, 0.3426

Deuteranopia

42.0084, 0.3279, 0.3212



Tritanopia

42.3926, 0.2636, 0.3076

Trichromacy



Original Color

42.4557, 0.2777, 0.3528

Protanomaly

42.0675, 0.3068, 0.3460

Deuteranomaly

41.8926, 0.3073, 0.3318

Tritanomaly

42.2007, 0.2688, 0.3231

Monochromacy



Original Color

42.4557, 0.2777, 0.3528

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.2565, 0.2983, 0.3377

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4557, 0.2777, 0.3528 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(126, 186, 170)` looks like.

```
.text, #text, p{  
    color:rgb(126, 186, 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(126, 186, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 186, 170) }
```

Border

The CSS property to change the border of an element to Yxy 42.4557, 0.2777, 0.3528 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(126, 186, 170) }
```

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

```
.border{ border-color:rgb(126, 186, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 186, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 186, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 186, 170);  
box-shadow:4px 4px 4px 4px rgb(126, 186,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4557, 0.2777, 0.3528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 186, 170) }
```

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

```
.background{ background-color: rgb(126,  
186, 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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