

Converting Colors

$Y_{xy}(41.5826, 0.2863, 0.3528)$

Have a look what the booklet for
Yxy(41.5826, 0.2863, 0.3528)
contains.

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Color

Yxy(41.7710, 0.2867, 0.3542)

Conversions

Conversions Part 1

Format	Color
Hex	87B7A6
RGB	135, 183, 166
RGB Percent	53%, 72%, 65%
CMY	0.4705, 0.2824, 0.3491
CMYK	0.26, 0.00, 0.09, 0.28
HSL	159°, 25%, 62%
HSV	159°, 26%, 72%
XYZ	33.8107, 41.7710, 42.3489
YIQ	166.7100, -23.1510, -15.4630

Conversions

Conversions Part 2

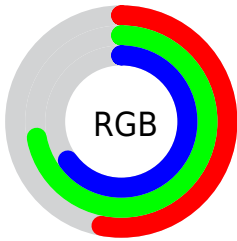
Format	Color
RYB	135, 164, 183
Decimal	8894374
CIELab	70.71, -19.49, 3.51
CIELCh	71, 19.800, 169.776
Yxy	41.7710, 0.2867, 0.3542
Android (android.graphics.Color)	4287084454 (0xFF87B7A6)
YUV	166.7100, -0.3500, -27.8097
Hunter-Lab	64.6305, -19.7232, 6.3918

Details

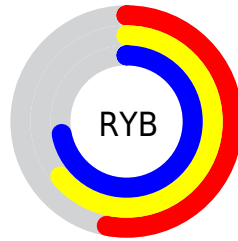
The Yxy color **41.7710, 0.2867, 0.3542** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **29.6731, 0.3484, 0.3052**, and the grayscale version is **38.5087, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7723, 0.2915, 0.3493**, and **19.0650, 0.2792, 0.3627** is the 20% darker color. If you saturate the color by 10%, you get **40.1503, 0.2780, 0.3655**, and if you desaturate by 10%, it is **43.6681, 0.2962, 0.3438**.

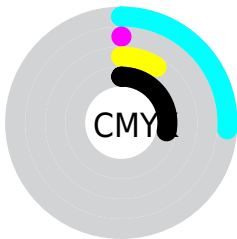
Distribution



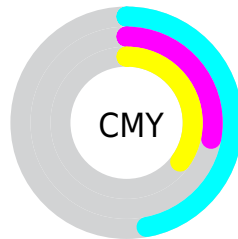
- Red (53%)
- Green (72%)
- Blue (65%)



- Red (53%)
- Yellow (64%)
- Blue (72%)



- Cyan (26%)
- Magenta (0%)
- Yellow (9%)
- Black (28%)





- Cyan (47%)
- Magenta (28%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.7710, 0.2867, 0.3542 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 41.7710, 0.2867, 0.3542 by changing the saturation by 10% instead.


 41.7710, 0.2867,
0.3542

 41.7710, 0.2867,
0.3542


353.5328, 0.3000,
0.3412


 28.9220, 0.2833,
0.3576


 77.8529, 0.2916,
0.3494

 19.0218, 0.2788,
0.3620


 101.8547, 0.2934,
0.3476

 11.6861, 0.2727,
0.3681


 130.3428, 0.2950,
0.3461

 6.5303, 0.2640,
0.3770

163.7017, 0.2963,
0.3448

 3.1701, 0.2505,
0.3909

202.3157, 0.2974,
0.3437

 1.2212, 0.2231,
0.4181

246.5693, 0.2984,

 0.0789, 0.0000,

0.3428

1.0000

296.8469, 0.2993,
0.3419

0.0000, 0.0000,
0.0000

41.7710, 0.2867,
0.3542

41.7710, 0.2867,
0.3542

40.1503, 0.2780,
0.3655

43.6681, 0.2962,
0.3438

38.7873, 0.2703,
0.3776

45.8490, 0.3063,
0.3344

37.6690, 0.2641,
0.3904


48.3272, 0.3167,
0.3259

36.7792, 0.2596,
0.4037


51.1137, 0.3271,
0.3183


36.0997, 0.2569,
0.4173


54.2191, 0.3374,
0.3116


 35.6093, 0.2562,
0.4309


 57.6534, 0.3475,
0.3057

 35.2805, 0.2575,
0.4443

 59.8508, 0.3506,
0.2998

 35.1764, 0.2582,
0.4494

 60.1839, 0.3452,
0.2934

 60.5303, 0.3398,
0.2870

Harmonies

Analogous

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



41.7710, 0.3142, 0.3742



41.7710, 0.2867, 0.3542



41.7710, 0.2667, 0.3271

Triad

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



41.7710, 0.2867, 0.3542



41.7710, 0.2823, 0.2816



41.7710, 0.3699, 0.3518

Complementary

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



41.7710, 0.2867, 0.3542



29.6731, 0.3484, 0.3052

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.



41.7710, 0.3607, 0.3280



41.7710, 0.2867, 0.3542



41.7710, 0.3091, 0.2887

Square

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



41.7710, 0.2867, 0.3542



41.7710, 0.2642, 0.2860



41.7710, 0.3381, 0.3054



41.7710, 0.3629, 0.3712

Rectangle

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



41.7710, 0.2867, 0.3542



41.7710, 0.2599, 0.3097



41.7710, 0.3381, 0.3054



41.7710, 0.3686, 0.3441

Sweetspot

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



41.7727, 0.2867, 0.3542



81.3250, 0.3043, 0.3361



42.3521, 0.3242, 0.3995



17.8282, 0.3028, 0.3375



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



41.7727, 0.2867, 0.3542



73.2156, 0.2819, 0.3601



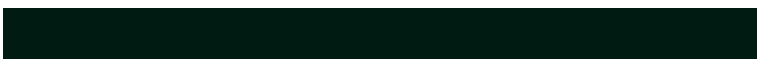
39.8604, 0.2741, 0.3195



10.1551, 0.3031, 0.3372



24.5535, 0.2577, 0.4478



0.8769, 0.2482, 0.4134

Inverse Universe

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



29.6731, 0.3484, 0.3052



48.1554, 0.3581, 0.3002



30.9939, 0.3655, 0.3382



9.0634, 0.3234, 0.3209



7.3006, 0.5526, 0.2818



0.2694, 0.4802, 0.2419

Previews

White Background



This preview shows how the Yxy color 41.7710, 0.2867, 0.3542 looks on a white background.

Color Contrast Check

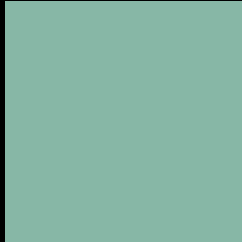
Large Text (above 18pt) WCAG AA × Fail

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 41.7710, 0.2867, 0.3542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

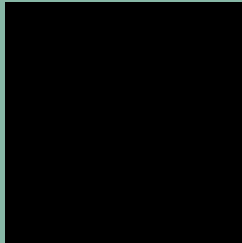
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

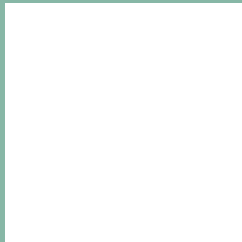
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.7710, 0.2867, 0.3542

Background



This preview shows how black text looks on a background with the Yxy color 41.7710, 0.2867, 0.3542.

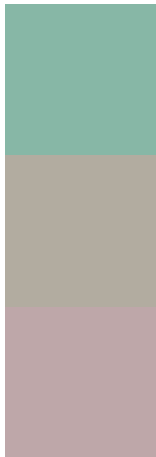


This preview shows how white text looks on a background with the Yxy color 41.7710, 0.2867, 0.3542.

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

41.7710, 0.2867, 0.3542

Protanopia

41.5081, 0.3284, 0.3455

Deuteranopia

41.4492, 0.3325, 0.3264



Tritanopia

41.7532, 0.2720, 0.3091

Trichromacy



Original Color

41.7710, 0.2867, 0.3542

Protanomaly

41.3407, 0.3118, 0.3489

Deuteranomaly

41.2603, 0.3142, 0.3359

Tritanomaly

41.5504, 0.2774, 0.3246

Monochromacy



Original Color

41.7710, 0.2867, 0.3542

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.6457, 0.3018, 0.3376

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7710, 0.2867, 0.3542 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(135, 183, 166)` looks like.

```
.text, #text, p{  
    color:rgb(135, 183, 166)  
}
```

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(135, 183, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 183, 166) }
```

Border

The CSS property to change the border of an element to Yxy 41.7710, 0.2867, 0.3542 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(135, 183, 166) }
```

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

```
.border{ border-color:rgb(135, 183, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 183, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 183, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 183, 166);  
box-shadow:4px 4px 4px 4px rgb(135, 183,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7710, 0.2867, 0.3542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 183, 166) }
```

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

```
.background{ background-color: rgb(135,  
183, 166) }
```

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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