

Converting Colors

$Yxy(48.7868, 0.2794, 0.3428)$

Have a look what the booklet for
Yxy(48.7868, 0.2794, 0.3428)
contains.

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Color

Yxy(48.7758, 0.2794, 0.3427)

Conversions

Conversions Part 1

Format	Color
Hex	8EC4BA
RGB	142, 196, 186
RGB Percent	56%, 77%, 73%
CMY	0.4429, 0.2314, 0.2705
CMYK	0.28, 0.00, 0.05, 0.23
HSL	169°, 31%, 66%
HSV	169°, 28%, 77%
XYZ	39.7664, 48.7758, 53.7857
YIQ	178.7140, -28.9740, -14.5580

Conversions

Conversions Part 2

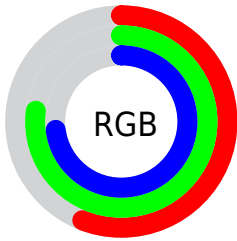
Format	Color
RYB	142, 172, 196
Decimal	9356474
CIELab	75.31, -19.62, -0.67
CIELCh	75, 19.632, 181.945
Yxy	48.7758, 0.2794, 0.3427
Android (android.graphics.Color)	4287546554 (0xFF8EC4BA)
YUV	178.7140, 3.5920, -32.1982
Hunter-Lab	69.8397, -20.5822, 3.2267

Details

The Yxy color $48.7758, 0.2794, 0.3427$ is a light color, and the websafe version is hex $99CCCC$. A complement of this color would be $33.3638, 0.3608, 0.3159$, and the grayscale version is $44.9181, 0.3127, 0.3290$.

A 20% lighter version of the original color is $88.5317, 0.2854, 0.3406$, and $23.2131, 0.2703, 0.3462$ is the 20% darker color. If you saturate the color by 10%, you get $47.0410, 0.2690, 0.3485$, and if you desaturate by 10%, it is $50.8233, 0.2909, 0.3373$.

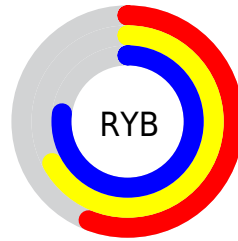
Distribution



Red (56%)

Green (77%)

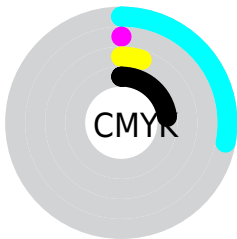
Blue (73%)



Red (56%)

Yellow (67%)

Blue (77%)

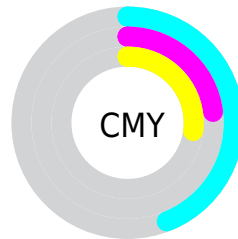


Cyan (28%)

Magenta (0%)

Yellow (5%)

Black (23%)



Cyan (44%)


Magenta (23%)


Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7758, 0.2794, 0.3427 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 48.7758, 0.2794, 0.3427 by changing the saturation by 10% instead.


 48.7758, 0.2794,
0.3427


 48.7758, 0.2794,
0.3427


381.8590, 0.2959,
0.3360

 34.4417, 0.2753,
0.3443


 88.3584, 0.2853,
0.3403

 23.2331, 0.2702,
0.3464


 114.3756, 0.2876,
0.3394

 14.7657, 0.2633,
0.3492


145.0560, 0.2895,
0.3386

 8.6551, 0.2539,
0.3530

180.7839, 0.2911,
0.3379

 4.5169, 0.2401,
0.3585

221.9438, 0.2925,
0.3373

 1.9667, 0.2179,
0.3673

268.9200, 0.2938,

 0.5880, 0.0590,

0.3368

0.4340

322.0970, 0.2949,
0.3364

0.0000, 0.0000,
0.0000

48.7758, 0.2794,
0.3427

48.7758, 0.2794,
0.3427

47.0410, 0.2690,
0.3485

50.8233, 0.2909,
0.3373

45.5969, 0.2600,
0.3546

53.1925, 0.3031,
0.3324

44.4282, 0.2525,
0.3610


55.8990, 0.3159,
0.3279

43.5155, 0.2469,
0.3675

58.9561, 0.3290,
0.3239

42.8369, 0.2432,
0.3742

62.3759, 0.3421,
0.3203

 42.3670, 0.2414,
0.3808

 65.2782, 0.3513,
0.3170

 42.0692, 0.2413,
0.3875

 65.4583, 0.3484,
0.3133

 42.0064, 0.2414,
0.3891

 65.6425, 0.3455,
0.3097

 65.8307, 0.3427,
0.3060

Harmonies

Analogous

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



48.7758, 0.3032, 0.3651



48.7758, 0.2794, 0.3427



48.7758, 0.2647, 0.3171

Triad

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



48.7758, 0.2794, 0.3427



48.7758, 0.2936, 0.2857



48.7758, 0.3657, 0.3589

Complementary

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



48.7758, 0.2794, 0.3427



33.3638, 0.3608, 0.3159

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.



48.7758, 0.3632, 0.3374



48.7758, 0.2794, 0.3427



48.7758, 0.3206, 0.2964

Square

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



48.7758, 0.2794, 0.3427



48.7758, 0.2726, 0.2854



48.7758, 0.3464, 0.3150



48.7758, 0.3534, 0.3737

Rectangle

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



48.7758, 0.2794, 0.3427



48.7758, 0.2617, 0.3023



48.7758, 0.3464, 0.3150



48.7758, 0.3666, 0.3522

Sweetspot

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



48.7778, 0.2794, 0.3427



96.0937, 0.3024, 0.3327



48.1875, 0.3175, 0.4055



20.4205, 0.3005, 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.



48.7778, 0.2794, 0.3427



86.4197, 0.2730, 0.3461



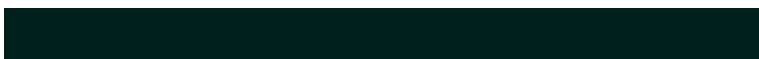
42.3064, 0.2708, 0.3063



11.3955, 0.3008, 0.3333



27.0053, 0.2412, 0.3882



1.1753, 0.2371, 0.3734

Inverse Universe

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



33.3638, 0.3608, 0.3159



53.8914, 0.3755, 0.3129



38.2228, 0.3661, 0.3506



10.1076, 0.3261, 0.3248



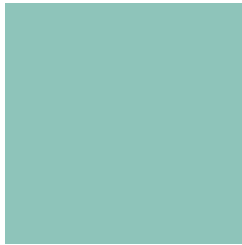
7.6329, 0.6092, 0.3130



0.3392, 0.5495, 0.2801

Previews

White Background



This preview shows how the Yxy color 48.7758, 0.2794, 0.3427 looks on a white background.

Color Contrast Check

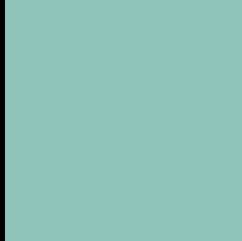
Large Text (above 18pt) WCAG AA × Fail

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 48.7758, 0.2794, 0.3427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

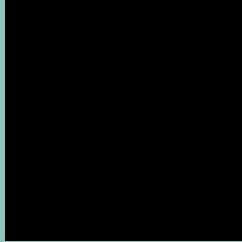
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

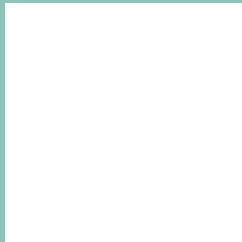
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.7758, 0.2794, 0.3427

Background



This preview shows how black text looks on a background with the Yxy color 48.7758, 0.2794, 0.3427.



This preview shows how white text looks on a background with the Yxy color 48.7758, 0.2794, 0.3427.

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

48.7758, 0.2794, 0.3427

Protanopia

48.3545, 0.3209, 0.3354

Deuteranopia

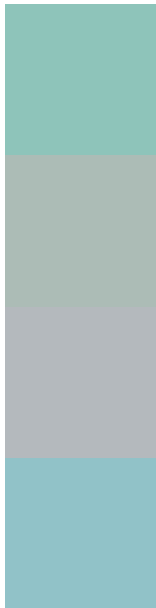
48.3754, 0.3229, 0.3155



Tritanopia

48.8970, 0.2685, 0.3090

Trichromacy



Original Color

48.7758, 0.2794, 0.3427

Protanomaly

48.1145, 0.3042, 0.3369

Deuteranomaly

48.0753, 0.3055, 0.3238

Tritanomaly

48.7734, 0.2723, 0.3208

Monochromacy



Original Color

48.7758, 0.2794, 0.3427

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.1823, 0.2994, 0.3330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7758, 0.2794, 0.3427 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(142, 196, 186)` looks like.

```
.text, #text, p{  
    color:rgb(142, 196, 186)  
}
```

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(142, 196, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 196, 186) }
```

Border

The CSS property to change the border of an element to Yxy 48.7758, 0.2794, 0.3427 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(142, 196, 186) }
```

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

```
.border{ border-color:rgb(142, 196, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 196, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 196, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 196, 186);  
box-shadow:4px 4px 4px 4px rgb(142, 196,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7758, 0.2794, 0.3427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 196, 186) }
```

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

```
.background{ background-color: rgb(142,  
196, 186) }
```

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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