

Converting Colors

$Yxy(47.9714, 0.2586, 0.3129)$

Have a look what the booklet for
Yxy(47.9714, 0.2586, 0.3129)
contains.

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Color

Yxy(48.1536, 0.2588, 0.3138)

Conversions

Conversions Part 1

Format	Color
Hex	81C3CE
RGB	129, 195, 206
RGB Percent	51%, 76%, 81%
CMY	0.4939, 0.2353, 0.1922
CMYK	0.37, 0.05, 0.00, 0.19
HSL	189°, 44%, 66%
HSV	189°, 37%, 81%
XYZ	39.7137, 48.1536, 65.5859
YIQ	176.5200, -42.8670, -10.5710

Conversions

Conversions Part 2

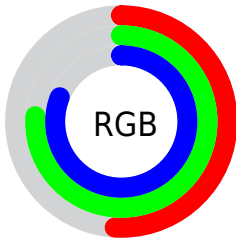
Format	Color
RYB	129, 165, 206
Decimal	8504270
CIELab	74.92, -18.11, -12.15
CIElCh	75, 21.802, 213.853
Yxy	48.1536, 0.2588, 0.3138
Android (android.graphics.Color)	4286694350 (0xFF81C3CE)
YUV	176.5200, 14.5336, -41.6750
Hunter-Lab	69.3928, -19.2814, -7.4624

Details

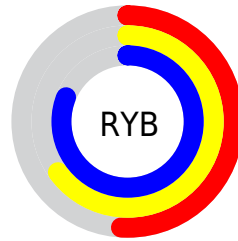
The Yxy color **48.1536, 0.2588, 0.3138** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.4772, 0.3980, 0.3434**, and the grayscale version is **43.6477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1551, 0.2723, 0.3257**, and **22.8126, 0.2443, 0.3080** is the 20% darker color. If you saturate the color by 10%, you get **45.3948, 0.2467, 0.3091**, and if you desaturate by 10%, it is **51.2673, 0.2721, 0.3183**.

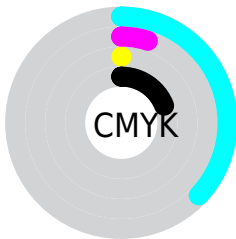
Distribution



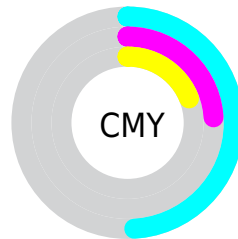
- Red (51%)
- Green (76%)
- Blue (81%)



- Red (51%)
- Yellow (65%)
- Blue (81%)



- Cyan (37%)
- Magenta (5%)
- Yellow (0%)
- Black (19%)



- Cyan (49%)
- Magenta (24%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.1536, 0.2588, 0.3138 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 48.1536, 0.2588, 0.3138 by changing the saturation by 10% instead.

■ 48.1536, 0.2588,
0.3138

■ 48.1536, 0.2588,
0.3138

■ 379.4006, 0.2851,
0.3219

■ 33.9485, 0.2524,
0.3117

■ 87.4331, 0.2682,
0.3168

■ 22.8541, 0.2444,
0.3088

■ 113.2762, 0.2718,
0.3179

■ 14.4858, 0.2339,
0.3050

■ 143.7676, 0.2748,
0.3189

■ 8.4593, 0.2198,
0.2994

■ 179.2915, 0.2775,
0.3197

■ 4.3902, 0.1996,
0.2907

■ 220.2324, 0.2797,
0.3203

■ 1.8942, 0.1690,
0.2756

■ 266.9746, 0.2817,

■ 0.5449, 0.0354,

0.3209

0.2538

319.9025, 0.2835,
0.3214

0.0000, 0.0000,
0.0000

48.1536, 0.2588,
0.3138

48.1536, 0.2588,
0.3138

45.3948, 0.2467,
0.3091

51.2673, 0.2721,
0.3183

42.9656, 0.2362,
0.3042

54.7486, 0.2865,
0.3225

40.8458, 0.2275,
0.2991

58.6159, 0.3014,
0.3264

39.0107, 0.2207,
0.2941

62.8853, 0.3168,
0.3299

37.4313, 0.2158,
0.2890

67.5713, 0.3323,
0.3331

■ 36.0679, 0.2126,
0.2840

■ 72.6882, 0.3477,
0.3359

■ 35.7244, 0.2119,
0.2827

■ 74.6224, 0.3489,
0.3389

■ 76.1404, 0.3484,
0.3419

■ 77.6857, 0.3478,
0.3448

Harmonies

Analogous

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



48.1536, 0.2742, 0.3424



48.1536, 0.2588, 0.3138



48.1536, 0.2571, 0.2914

Triad

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



48.1536, 0.2588, 0.3138



48.1536, 0.3234, 0.2940



48.1536, 0.3566, 0.3794

Complementary

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



48.1536, 0.2588, 0.3138



33.4772, 0.3980, 0.3434

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.



48.1536, 0.3714, 0.3634



48.1536, 0.2588, 0.3138



48.1536, 0.3519, 0.3148

Square

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



48.1536, 0.2588, 0.3138



48.1536, 0.2932, 0.2815



48.1536, 0.3698, 0.3398



48.1536, 0.3303, 0.3819

Rectangle

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



48.1536, 0.2588, 0.3138



48.1536, 0.2638, 0.2825



48.1536, 0.3698, 0.3398



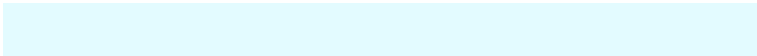
48.1536, 0.3632, 0.3753

Sweetspot

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



48.1555, 0.2588, 0.3138



92.5321, 0.2957, 0.3249



50.6819, 0.3011, 0.4261



19.6206, 0.2936, 0.3244



0.0000, 0.0000, 0.0000



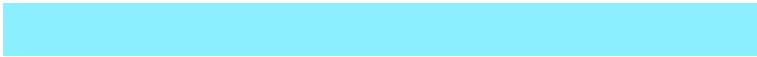
21.4041, 0.3127, 0.3290

Same Dimension

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



48.1555, 0.2588, 0.3138



74.3182, 0.2488, 0.3099



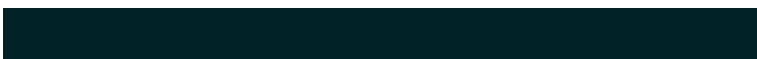
33.3308, 0.2509, 0.2589



12.4431, 0.2983, 0.3256



22.1096, 0.2121, 0.2834



1.2173, 0.2148, 0.2932

Inverse Universe

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



32.7754, 0.3279, 0.2490



46.2979, 0.3321, 0.2323



46.4600, 0.3802, 0.3900



11.3751, 0.3159, 0.3094



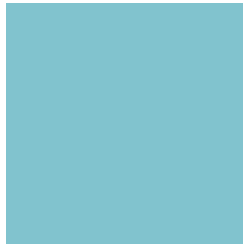
10.0350, 0.3603, 0.1758



0.5254, 0.3515, 0.1710

Previews

White Background



This preview shows how the Yxy color 48.1536, 0.2588, 0.3138 looks on a white background.

Color Contrast Check

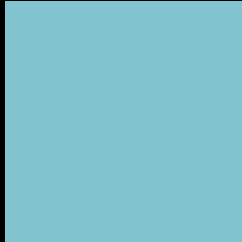
Large Text (above 18pt) WCAG AA × Fail

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 48.1536, 0.2588, 0.3138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

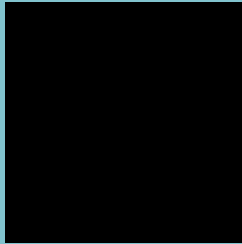
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

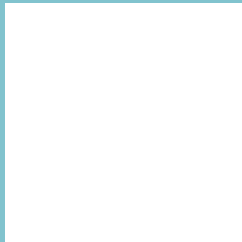
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.1536, 0.2588, 0.3138

Background



This preview shows how black text looks on a background with the Yxy color 48.1536, 0.2588, 0.3138.

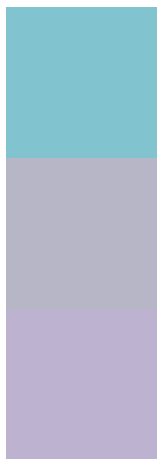


This preview shows how white text looks on a background with the Yxy color 48.1536, 0.2588, 0.3138.

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

48.1536, 0.2588, 0.3138

Protanopia

47.6004, 0.3012, 0.3087

Deuteranopia

47.6625, 0.2978, 0.2920



Tritanopia

47.9825, 0.2569, 0.3071

Trichromacy



Original Color

48.1536, 0.2588, 0.3138

Protanomaly

47.5442, 0.2836, 0.3105

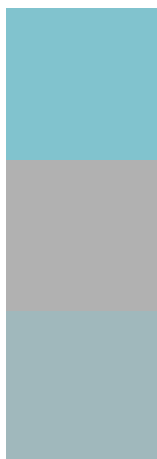
Deuteranomaly

47.4675, 0.2816, 0.2993

Tritanomaly

47.9328, 0.2574, 0.3084

Monochromacy



Original Color

48.1536, 0.2588, 0.3138

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

45.3854, 0.2902, 0.3235

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1536, 0.2588, 0.3138 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(129, 195, 206)` looks like.

```
.text, #text, p{  
    color:rgb(129, 195, 206)  
}
```

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(129, 195, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 195, 206) }
```

Border

The CSS property to change the border of an element to Yxy 48.1536, 0.2588, 0.3138 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(129, 195, 206) }
```

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

```
.border{ border-color:rgb(129, 195, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 195, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 195, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 195, 206);  
box-shadow:4px 4px 4px 4px rgb(129, 195,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1536, 0.2588, 0.3138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 195, 206) }
```

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

```
.background{ background-color: rgb(129,  
195, 206) }
```

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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