

Converting Colors

$Y_{xy}(44.7990, 0.2665, 0.3129)$

Have a look what the booklet for
Yxy(44.7990, 0.2665, 0.3129)
contains.

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Color

Yxy(44.8521, 0.2665, 0.3136)

Conversions

Conversions Part 1

Format	Color
Hex	88BBC6
RGB	136, 187, 198
RGB Percent	53%, 73%, 78%
CMY	0.4666, 0.2667, 0.2236
CMYK	0.31, 0.06, 0.00, 0.22
HSL	191°, 35%, 65%
HSV	191°, 31%, 78%
XYZ	38.1157, 44.8521, 60.0555
YIQ	173.0050, -33.9270, -7.3910

Conversions

Conversions Part 2

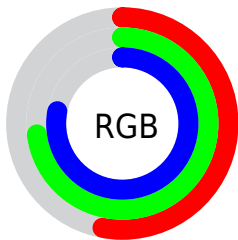
Format	Color
RYB	136, 164, 198
Decimal	8960966
CIELab	72.79, -14.02, -10.93
CIElCh	73, 17.773, 217.931
Yxy	44.8521, 0.2665, 0.3136
Android (android.graphics.Color)	4287151046 (0xFF88BBC6)
YUV	173.0050, 12.3225, -32.4534
Hunter-Lab	66.9717, -15.6105, -6.2869

Details

The Yxy color **44.8521, 0.2665, 0.3136** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.6424, 0.3786, 0.3438**, and the grayscale version is **41.7427, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3976, 0.2746, 0.3160**, and **20.9028, 0.2535, 0.3095** is the 20% darker color. If you saturate the color by 10%, you get **41.8775, 0.2533, 0.3079**, and if you desaturate by 10%, it is **48.1728, 0.2807, 0.3190**.

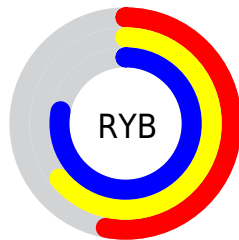
Distribution



Red (53%)

Green (73%)

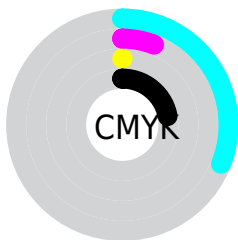
Blue (78%)



Red (53%)

Yellow (64%)

Blue (78%)

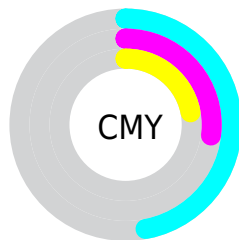


Cyan (31%)

Magenta (6%)

Yellow (0%)

Black (22%)



Cyan (47%)


Magenta (27%)


Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8521, 0.2665, 0.3136 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 44.8521, 0.2665, 0.3136 by changing the saturation by 10% instead.


 44.8521, 0.2665,
0.3136

 44.8521, 0.2665,
0.3136


366.1742, 0.2894,
0.3217

 31.3409, 0.2609,
0.3115


 82.4984, 0.2748,
0.3166

 20.8586, 0.2537,
0.3086


 107.4024, 0.2779,
0.3178

 13.0207, 0.2442,
0.3047


 136.8727, 0.2805,
0.3187

 7.4428, 0.2311,
0.2991

171.2939, 0.2828,
0.3195

 3.7405, 0.2122,
0.2903

211.0502, 0.2848,
0.3202

 1.5295, 0.1822,
0.2747

256.5261, 0.2865,

 0.3094, 0.0000,

0.3207

0.2184

308.1060, 0.2880,
0.3213

0.0000, 0.0000,
0.0000

44.8521, 0.2665,
0.3136

44.8521, 0.2665,
0.3136

41.8775, 0.2533,
0.3079

48.1728, 0.2807,
0.3190

39.2263, 0.2415,
0.3019

51.8499, 0.2955,
0.3239

36.8817, 0.2312,
0.2957

55.9001, 0.3107,
0.3284

34.8228, 0.2228,
0.2894

60.3372, 0.3261,
0.3325

33.0256, 0.2162,
0.2830

65.1744, 0.3414,
0.3362

■ 31.4617, 0.2115,
0.2766

■ 70.4241, 0.3563,
0.3395

■ 30.2444, 0.2087,
0.2712

■ 72.1900, 0.3557,
0.3430

■ 73.9560, 0.3549,
0.3466

■ 75.7603, 0.3542,
0.3501

Harmonies

Analogous

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



44.8521, 0.2781, 0.3370



44.8521, 0.2665, 0.3136



44.8521, 0.2667, 0.2958

Triad

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



44.8521, 0.2665, 0.3136



44.8521, 0.3252, 0.3016



44.8521, 0.3470, 0.3721

Complementary

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



44.8521, 0.2665, 0.3136



34.6424, 0.3786, 0.3438

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.



44.8521, 0.3608, 0.3604



44.8521, 0.2665, 0.3136



44.8521, 0.3481, 0.3200

Square

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



44.8521, 0.2665, 0.3136



44.8521, 0.2997, 0.2898



44.8521, 0.3613, 0.3412



44.8521, 0.3242, 0.3721

Rectangle

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



44.8521, 0.2665, 0.3136



44.8521, 0.2734, 0.2891



44.8521, 0.3613, 0.3412



44.8521, 0.3528, 0.3694

Sweetspot

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



44.8539, 0.2665, 0.3136



93.3396, 0.2988, 0.3249



47.6962, 0.3015, 0.4045



19.7593, 0.2965, 0.3242



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.



44.8539, 0.2665, 0.3136



75.5597, 0.2568, 0.3095



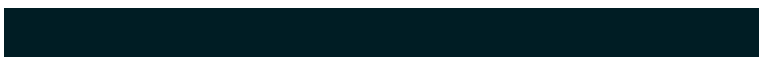
33.3137, 0.2613, 0.2691



11.7358, 0.2984, 0.3248



19.7881, 0.2089, 0.2720



1.0231, 0.2125, 0.2851

Inverse Universe

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



33.2032, 0.3271, 0.2645



51.9119, 0.3313, 0.2496



45.3504, 0.3668, 0.3823



10.7832, 0.3164, 0.3102



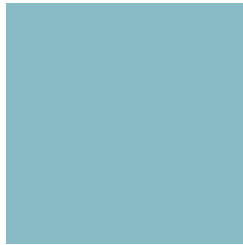
9.5376, 0.3709, 0.1817



0.4603, 0.3588, 0.1750

Previews

White Background



This preview shows how the Yxy color 44.8521, 0.2665, 0.3136 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 44.8521, 0.2665, 0.3136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

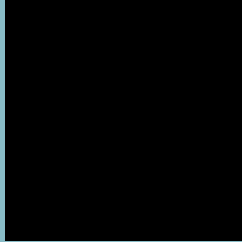
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

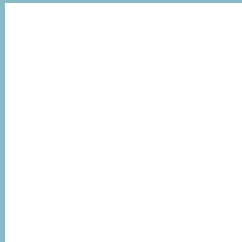
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.8521, 0.2665, 0.3136

Background



This preview shows how black text looks on a background with the Yxy color 44.8521, 0.2665, 0.3136.

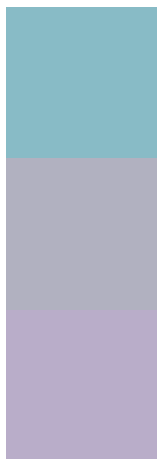


This preview shows how white text looks on a background with the Yxy color 44.8521, 0.2665, 0.3136.

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

44.8521, 0.2665, 0.3136

Protanopia

44.5972, 0.3008, 0.3094

Deuteranopia

44.4185, 0.3006, 0.2935



Tritanopia

44.6532, 0.2651, 0.3081

Trichromacy



Original Color

44.8521, 0.2665, 0.3136

Protanomaly

44.6242, 0.2873, 0.3115

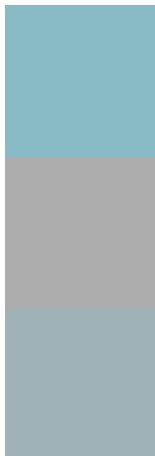
Deuteranomaly

44.2264, 0.2867, 0.2999

Tritanomaly

44.6063, 0.2657, 0.3095

Monochromacy



Original Color

44.8521, 0.2665, 0.3136

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

42.6918, 0.2944, 0.3234

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8521, 0.2665, 0.3136 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(136, 187, 198)` looks like.

```
.text, #text, p{  
    color:rgb(136, 187, 198)  
}
```

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(136, 187, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 187, 198) }
```

Border

The CSS property to change the border of an element to Yxy 44.8521, 0.2665, 0.3136 is called "border". The border property can be set on classes, ids or directly on the HTML element.

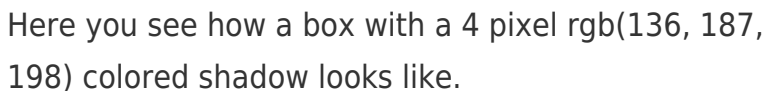
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(136, 187, 198) }
```

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

```
.border{ border-color:rgb(136, 187, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(136, 187, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 187, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 187, 198);  
box-shadow:4px 4px 4px 4px rgb(136, 187,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8521, 0.2665, 0.3136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 187, 198) }
```

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

```
.background{ background-color: rgb(136,  
187, 198) }
```

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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