

Converting Colors

$Yxy(45.1377, 0.2811, 0.3565)$

Have a look what the booklet for
Yxy(45.1377, 0.2811, 0.3565)
contains.

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Color

Yxy(45.1457, 0.2811, 0.3566)

Conversions

Conversions Part 1

Format	Color
Hex	84BFAC
RGB	132, 191, 172
RGB Percent	52%, 75%, 67%
CMY	0.4825, 0.2509, 0.3255
CMYK	0.31, 0.00, 0.10, 0.25
HSL	161°, 32%, 63%
HSV	161°, 31%, 75%
XYZ	35.5874, 45.1457, 45.8673
YIQ	171.1930, -29.0650, -18.4170

Conversions

Conversions Part 2

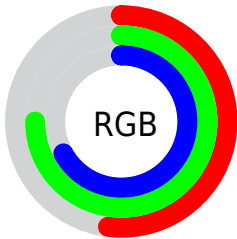
Format	Color
RYB	132, 167, 191
Decimal	8699820
CIELab	72.99, -23.19, 3.50
CIELCh	73, 23.455, 171.416
Yxy	45.1457, 0.2811, 0.3566
Android (android.graphics.Color)	4286889900 (0xFF84BFAC)
YUV	171.1930, 0.3979, -34.3723
Hunter-Lab	67.1905, -23.0412, 6.5593

Details

The Yxy color **45.1457, 0.2811, 0.3566** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **29.8017, 0.3594, 0.3032**, and the grayscale version is **40.8318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2457, 0.2874, 0.3522**, and **20.9529, 0.2717, 0.3639** is the 20% darker color. If you saturate the color by 10%, you get **43.5158, 0.2725, 0.3672**, and if you desaturate by 10%, it is **47.0721, 0.2907, 0.3468**.

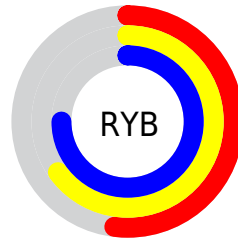
Distribution



Red (52%)

Green (75%)

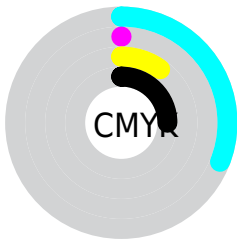
Blue (67%)



Red (52%)

Yellow (65%)

Blue (75%)

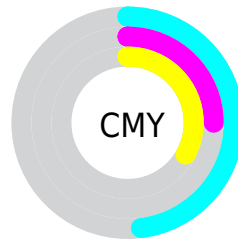


Cyan (31%)

Magenta (0%)

Yellow (10%)

Black (25%)



Cyan (48%)


Magenta (25%)


Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1457, 0.2811, 0.3566 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 45.1457, 0.2811, 0.3566 by changing the saturation by 10% instead.


 45.1457, 0.2811,
0.3566


 45.1457, 0.2811,
0.3566


367.3633, 0.2971,
0.3425

 31.5722, 0.2771,
0.3602


 82.9390, 0.2869,
0.3514

 21.0350, 0.2718,
0.3649


 107.9276, 0.2891,
0.3495

 13.1496, 0.2648,
0.3713


 137.4900, 0.2910,
0.3479

 7.5316, 0.2550,
0.3803

172.0107, 0.2925,
0.3465

 3.7967, 0.2400,
0.3943

211.8739, 0.2939,
0.3453

 1.5605, 0.2147,
0.4187

257.4642, 0.2951,


 0.3308, 0.0000,


0.3443


0.7414

309.1659, 0.2961,
0.3433


 0.0000, 0.0000,
0.0000


 45.1457, 0.2811,
0.3566

 45.1457, 0.2811,
0.3566


 43.5158, 0.2725,
0.3672

 47.0721, 0.2907,
0.3468

 42.1613, 0.2652,
0.3784


 49.3039, 0.3010,
0.3378


 41.0671, 0.2595,
0.3902


 51.8564, 0.3117,
0.3297

 40.2142, 0.2555,
0.4024

 54.7420, 0.3226,
0.3224

 39.5809, 0.2536,
0.4147

 57.9728, 0.3336,
0.3160


 39.1417, 0.2536,
0.4269

 61.5601, 0.3444,
0.3102

 38.8659, 0.2550,
0.4379

 63.4357, 0.3463,
0.3045

 63.7579, 0.3413,
0.2983

 64.0921, 0.3365,
0.2923

Harmonies

Analogous

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



45.1457, 0.3124, 0.3807



45.1457, 0.2811, 0.3566



45.1457, 0.2589, 0.3248

Triad

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



45.1457, 0.2811, 0.3566



45.1457, 0.2791, 0.2748



45.1457, 0.3789, 0.3563

Complementary

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



45.1457, 0.2811, 0.3566



29.8017, 0.3594, 0.3032

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.



45.1457, 0.3693, 0.3291



45.1457, 0.2811, 0.3566



45.1457, 0.3102, 0.2837

Square

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



45.1457, 0.2811, 0.3566



45.1457, 0.2579, 0.2789



45.1457, 0.3436, 0.3032



45.1457, 0.3696, 0.3784

Rectangle

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



45.1457, 0.2811, 0.3566



45.1457, 0.2518, 0.3049



45.1457, 0.3436, 0.3032



45.1457, 0.3778, 0.3475

Sweetspot

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



45.1475, 0.2811, 0.3566



89.0598, 0.3029, 0.3363



45.5726, 0.3244, 0.4144



19.4163, 0.3013, 0.3376



97.7402, 0.3127, 0.3290



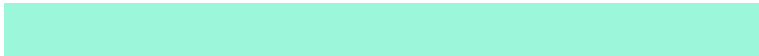
20.4902, 0.3127, 0.3290

Same Dimension

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



45.1475, 0.2811, 0.3566



78.8429, 0.2752, 0.3636



41.7808, 0.2672, 0.3147



10.7559, 0.3027, 0.3365



25.5537, 0.2545, 0.4363



1.0124, 0.2465, 0.4073

Inverse Universe

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



29.8017, 0.3594, 0.3032



47.0731, 0.3737, 0.2975



32.0287, 0.3776, 0.3427



9.5856, 0.3239, 0.3216



7.5174, 0.5654, 0.2888



0.3067, 0.4960, 0.2506

Previews

White Background



This preview shows how the Yxy color 45.1457, 0.2811, 0.3566 looks on a white background.

Color Contrast Check

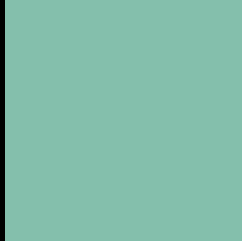
Large Text (above 18pt) WCAG AA × Fail

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 45.1457, 0.2811, 0.3566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

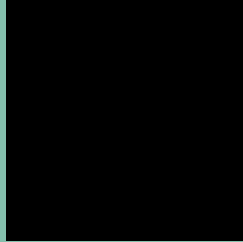
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.1457, 0.2811, 0.3566

Background



This preview shows how black text looks on a background with the Yxy color 45.1457, 0.2811, 0.3566.

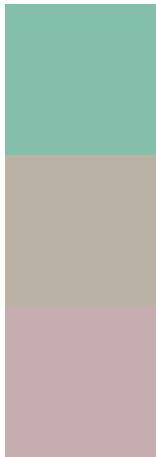


This preview shows how white text looks on a background with the Yxy color 45.1457, 0.2811, 0.3566.

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

45.1457, 0.2811, 0.3566

Protanopia

44.8717, 0.3296, 0.3462

Deuteranopia

44.8920, 0.3319, 0.3253



Tritanopia

45.2082, 0.2653, 0.3082

Trichromacy



Original Color

45.1457, 0.2811, 0.3566

Protanomaly

44.8011, 0.3101, 0.3497

Deuteranomaly

44.6219, 0.3107, 0.3357

Tritanomaly

44.9623, 0.2711, 0.3247

Monochromacy



Original Color

45.1457, 0.2811, 0.3566

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.9492, 0.3003, 0.3389

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1457, 0.2811, 0.3566 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(132, 191, 172)` looks like.

```
.text, #text, p{  
    color:rgb(132, 191, 172)  
}
```

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(132, 191, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 191, 172) }
```

Border

The CSS property to change the border of an element to Yxy 45.1457, 0.2811, 0.3566 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(132, 191, 172) }
```

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

```
.border{ border-color:rgb(132, 191, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 191, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 191, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 191, 172);  
box-shadow:4px 4px 4px 4px rgb(132, 191,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1457, 0.2811, 0.3566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 191, 172) }
```

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

```
.background{ background-color: rgb(132,  
191, 172) }
```

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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