

Converting Colors

$Y_{xy}(45.1160, 0.2735, 0.3367)$

Have a look what the booklet for
Yxy(45.1160, 0.2735, 0.3367)
contains.

Yxy(45.2741, 0.2738, 0.3375)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(45.2741, 0.2738, 0.3375)

Conversions

Conversions Part 1

Format	Color
Hex	85BEB8
RGB	133, 190, 184
RGB Percent	52%, 75%, 72%
CMY	0.4787, 0.2548, 0.2785
CMYK	0.30, 0.00, 0.03, 0.25
HSL	174°, 31%, 63%
HSV	174°, 30%, 75%
XYZ	36.7290, 45.2741, 52.1423
YIQ	172.2730, -32.0460, -13.9500

Conversions

Conversions Part 2

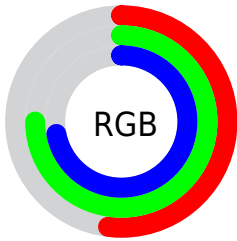
Format	Color
RYB	133, 163, 190
Decimal	8765112
CIELab	73.07, -19.74, -2.90
CIELCh	73, 19.954, 188.359
Yxy	45.2741, 0.2738, 0.3375
Android (android.graphics.Color)	4286955192 (0xFF85BEB8)
YUV	172.2730, 5.7814, -34.4424
Hunter-Lab	67.2860, -20.3138, 1.1543

Details

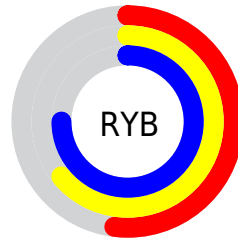
The Yxy color **45.2741, 0.2738, 0.3375** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **29.5700, 0.3719, 0.3209**, and the grayscale version is **41.3766, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8942, 0.2810, 0.3355**, and **20.9963, 0.2630, 0.3389** is the 20% darker color. If you saturate the color by 10%, you get **43.7840, 0.2630, 0.3408**, and if you desaturate by 10%, it is **47.0488, 0.2859, 0.3344**.

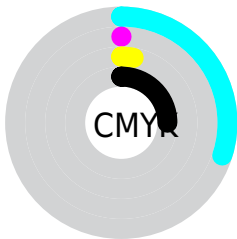
Distribution



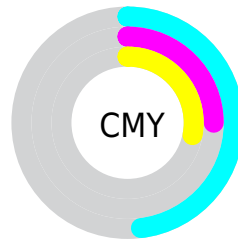
- Red (52%)
- Green (75%)
- Blue (72%)



- Red (52%)
- Yellow (64%)
- Blue (75%)



- Cyan (30%)
- Magenta (0%)
- Yellow (3%)
- Black (25%)





- Cyan (48%)
- Magenta (25%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2741, 0.2738, 0.3375 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 45.2741, 0.2738, 0.3375 by changing the saturation by 10% instead.


 45.2741, 0.2738,
0.3375


 45.2741, 0.2738,
0.3375


367.8825, 0.2932,
0.3334

 31.6734, 0.2690,
0.3385


 83.1316, 0.2808,
0.3361

 21.1121, 0.2628,
0.3397


 108.1571, 0.2835,
0.3355

 13.2060, 0.2546,
0.3412


 137.7597, 0.2857,
0.3350

 7.5706, 0.2432,
0.3433

172.3238, 0.2876,
0.3346

 3.8214, 0.2263,
0.3461

212.2337, 0.2893,
0.3343

 1.5742, 0.1989,
0.3500

257.8739, 0.2908,

 0.3401, 0.0000,

0.3340

0.3724

309.6287, 0.2921,
0.3337

0.0000, 0.0000,
0.0000

45.2741, 0.2738,
0.3375

45.2741, 0.2738,
0.3375

43.7840, 0.2630,
0.3408

47.0488, 0.2859,
0.3344

42.5579, 0.2537,
0.3442

49.1165, 0.2989,
0.3316

41.5810, 0.2461,
0.3477


51.4922, 0.3127,
0.3290


40.8351, 0.2403,
0.3513

54.1880, 0.3268,
0.3267


40.2991, 0.2365,
0.3550


57.2155, 0.3411,
0.3246


 39.9485, 0.2345,
0.3586

 60.5859, 0.3554,
0.3227

 39.7345, 0.2339,
0.3621

 62.1735, 0.3605,
0.3208

 62.2668, 0.3588,
0.3187

 62.3613, 0.3571,
0.3167

Harmonies

Analogous

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



45.2741, 0.2969, 0.3625



45.2741, 0.2738, 0.3375



45.2741, 0.2611, 0.3112

Triad

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



45.2741, 0.2738, 0.3375



45.2741, 0.2985, 0.2855



45.2741, 0.3664, 0.3641

Complementary

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



45.2741, 0.2738, 0.3375



29.5700, 0.3719, 0.3209

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.



45.2741, 0.3672, 0.3427



45.2741, 0.2738, 0.3375



45.2741, 0.3271, 0.2987

Square

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



45.2741, 0.2738, 0.3375



45.2741, 0.2748, 0.2827



45.2741, 0.3526, 0.3192



45.2741, 0.3506, 0.3774

Rectangle

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



45.2741, 0.2738, 0.3375



45.2741, 0.2599, 0.2971



45.2741, 0.3526, 0.3192



45.2741, 0.3685, 0.3576

Sweetspot

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



45.2759, 0.2738, 0.3375



89.3500, 0.3001, 0.3314



44.0665, 0.3139, 0.4143



19.4900, 0.2981, 0.3318



97.7402, 0.3127, 0.3290



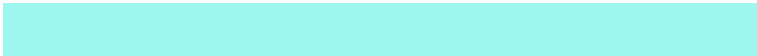
20.4902, 0.3127, 0.3290

Same Dimension

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



45.2759, 0.2738, 0.3375



80.2054, 0.2666, 0.3396



36.7554, 0.2664, 0.2968



10.7917, 0.2999, 0.3314



26.4228, 0.2338, 0.3617



1.0401, 0.2314, 0.3531

Inverse Universe

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



29.5700, 0.3719, 0.3209



47.2118, 0.3906, 0.3190



36.0230, 0.3703, 0.3590



9.5523, 0.3272, 0.3266



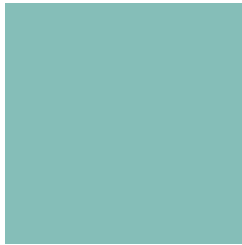
7.3188, 0.6259, 0.3221



0.2922, 0.5812, 0.2975

Previews

White Background



This preview shows how the Yxy color 45.2741, 0.2738, 0.3375 looks on a white background.

Color Contrast Check

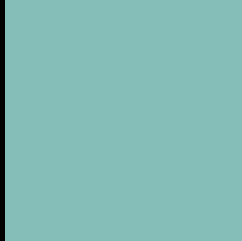
Large Text (above 18pt) WCAG AA × Fail

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 45.2741, 0.2738, 0.3375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

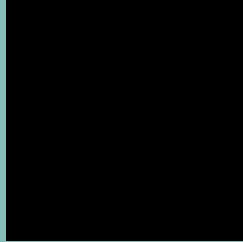
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

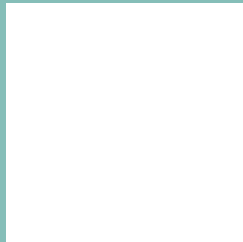
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.2741, 0.2738, 0.3375

Background



This preview shows how black text looks on a background with the Yxy color 45.2741, 0.2738, 0.3375.

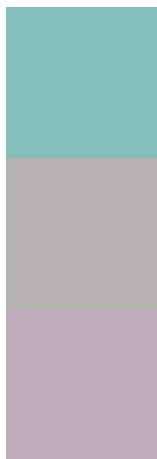


This preview shows how white text looks on a background with the Yxy color 45.2741, 0.2738, 0.3375.

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

45.2741, 0.2738, 0.3375

Protanopia

44.9602, 0.3170, 0.3303

Deuteranopia

44.6815, 0.3180, 0.3112



Tritanopia

45.1233, 0.2646, 0.3082

Trichromacy



Original Color

45.2741, 0.2738, 0.3375

Protanomaly

44.6437, 0.2992, 0.3317

Deuteranomaly

44.4433, 0.3004, 0.3196

Tritanomaly

45.1408, 0.2685, 0.3191

Monochromacy



Original Color

45.2741, 0.2738, 0.3375

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.6439, 0.2973, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2741, 0.2738, 0.3375 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(133, 190, 184)` looks like.

```
.text, #text, p{  
    color:rgb(133, 190, 184)  
}
```

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(133, 190, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 190, 184) }
```

Border

The CSS property to change the border of an element to Yxy 45.2741, 0.2738, 0.3375 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(133, 190, 184) }
```

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

```
.border{ border-color:rgb(133, 190, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 190, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 190, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 190, 184);  
box-shadow:4px 4px 4px 4px rgb(133, 190,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2741, 0.2738, 0.3375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 190, 184) }
```

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

```
.background{ background-color: rgb(133,  
190, 184) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor