

# Converting Colors

$Yxy(45.2395, 0.2716, 0.3413)$

Have a look what the booklet for  
Yxy(45.2395, 0.2716, 0.3413)  
contains.

|   |    |
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# Color

**Yxy(45.2282, 0.2719, 0.3419)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 80BFB6                       |
| RGB         | 128, 191, 182                |
| RGB Percent | 50%, 75%, 71%                |
| CMY         | 0.4983, 0.2509, 0.2863       |
| CMYK        | 0.33, 0.00, 0.05, 0.25       |
| HSL         | 171°, 33%, 63%               |
| HSV         | 171°, 33%, 75%               |
| XYZ         | 35.9683, 45.2282, 51.0884    |
| YIQ         | 171.1370, -34.6590, -16.1550 |

# Conversions

## Conversions Part 2

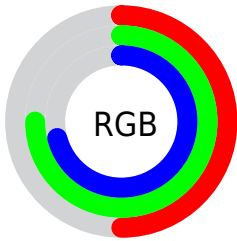
| Format                              | Color                                       |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">128, 162, 191</a>               |
| Decimal                             | <a href="#">8437686</a>                     |
| CIELab                              | <a href="#">73.04, -22.14, -1.89</a>        |
| CIELCh                              | <a href="#">73, 22.225, 184.882</a>         |
| Yxy                                 | <a href="#">45.2282, 0.2719, 0.3419</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4286627766<br/>(0xFF80BFB6)</a> |
| YUV                                 | <a href="#">171.1370, 5.3555, -37.8311</a>  |
| Hunter-Lab                          | <a href="#">67.2519, -22.2239, 2.0362</a>   |

# Details

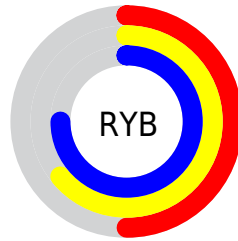
The Yxy color **45.2282, 0.2719, 0.3419** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **28.3038, 0.3773, 0.3168**, and the grayscale version is **40.7764, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3751, 0.2794, 0.3399**, and **20.9722, 0.2602, 0.3451** is the 20% darker color. If you saturate the color by 10%, you get **43.7747, 0.2618, 0.3464**, and if you desaturate by 10%, it is **46.9663, 0.2832, 0.3376**.

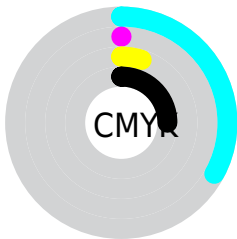
# Distribution



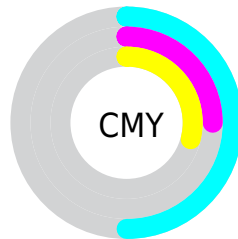
- Red (50%)
- Green (75%)
- Blue (71%)



- Red (50%)
- Yellow (64%)
- Blue (75%)



- Cyan (33%)
- Magenta (0%)
- Yellow (5%)
- Black (25%)




- Cyan (50%)
- Magenta (25%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.2282, 0.2719, 0.3419 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 45.2282, 0.2719, 0.3419 by changing the saturation by 10% instead.



 45.2282, 0.2719,  
0.3419


 45.2282, 0.2719,  
0.3419


367.6970, 0.2923,  
0.3356

 31.6372, 0.2668,  
0.3434


 83.0627, 0.2793,  
0.3396

 21.0845, 0.2603,  
0.3454


 108.0751, 0.2821,  
0.3388

 13.1858, 0.2517,  
0.3480


 137.6633, 0.2844,  
0.3380

 7.5566, 0.2397,  
0.3514

172.2119, 0.2864,  
0.3374

 3.8126, 0.2219,  
0.3564

212.1051, 0.2882,  
0.3369

 1.5693, 0.1929,  
0.3640

257.7275, 0.2897,

 0.3368, 0.0000,

0.3364

0.4030

309.4633, 0.2911,  
0.3360

0.0000, 0.0000,  
0.0000

45.2282, 0.2719,  
0.3419

45.2282, 0.2719,  
0.3419

43.7747, 0.2618,  
0.3464

46.9663, 0.2832,  
0.3376

42.5847, 0.2533,  
0.3512

48.9980, 0.2956,  
0.3337

41.6427, 0.2465,  
0.3561


51.3386, 0.3087,  
0.3300


40.9295, 0.2416,  
0.3611


54.0008, 0.3222,  
0.3267


40.4227, 0.2386,  
0.3662


56.9964, 0.3359,  
0.3238


 40.0958, 0.2375,  
0.3712

 60.3369, 0.3496,  
0.3212

 39.9386, 0.2374,  
0.3746

 62.7511, 0.3577,  
0.3187

 62.8809, 0.3554,  
0.3159

 63.0130, 0.3532,  
0.3131

# Harmonies

## Analogous

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



45.2282, 0.2985, 0.3692



45.2282, 0.2719, 0.3419



45.2282, 0.2564, 0.3121

# Triad

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



45.2282, 0.2719, 0.3419



45.2282, 0.2934, 0.2799



45.2282, 0.3736, 0.3654

# Complementary

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



45.2282, 0.2719, 0.3419



28.3038, 0.3773, 0.3168

# 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.



45.2282, 0.3725, 0.3410



45.2282, 0.2719, 0.3419



45.2282, 0.3249, 0.2932

# Square

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



45.2282, 0.2719, 0.3419



45.2282, 0.2683, 0.2781



45.2282, 0.3544, 0.3151



45.2282, 0.3576, 0.3818



# Rectangle

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



45.2282, 0.2719, 0.3419



45.2282, 0.2539, 0.2957



45.2282, 0.3544, 0.3151



45.2282, 0.3752, 0.3578

# Sweetspot

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



45.2300, 0.2719, 0.3419



88.8830, 0.2993, 0.3326



44.1773, 0.3156, 0.4237



19.3920, 0.2974, 0.3331



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.



45.2300, 0.2719, 0.3419



78.9650, 0.2641, 0.3453



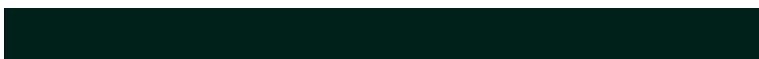
36.6987, 0.2622, 0.2963



10.7855, 0.3003, 0.3323



26.2512, 0.2372, 0.3740



1.0348, 0.2339, 0.3620



# Inverse Universe

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



28.3038, 0.3773, 0.3168



43.7749, 0.3995, 0.3139



34.4516, 0.3785, 0.3593



9.5580, 0.3266, 0.3257



7.3395, 0.6187, 0.3182

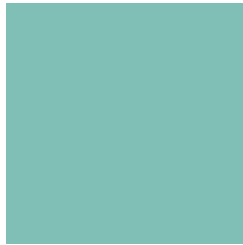


0.2947, 0.5636, 0.2878



# Previews

## White Background



This preview shows how the Yxy color 45.2282, 0.2719, 0.3419 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 45.2282, 0.2719, 0.3419 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

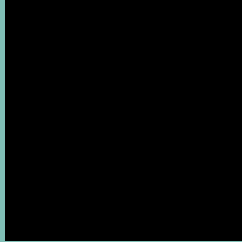
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

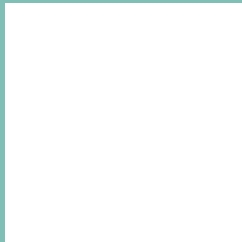
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 45.2282, 0.2719, 0.3419**

## Background



This preview shows how black text looks on a background with the Yxy color 45.2282, 0.2719, 0.3419.



This preview shows how white text looks on a background with the Yxy color 45.2282, 0.2719, 0.3419.

# 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

45.2282, 0.2719, 0.3419

### Protanopia

44.9641, 0.3204, 0.3343

### Deuteranopia

44.7698, 0.3197, 0.3125



## Tritanopia

45.2648, 0.2616, 0.3081

# Trichromacy



**Original Color**

45.2282, 0.2719, 0.3419

**Protanomaly**

44.8278, 0.3007, 0.3372

**Deuteranomaly**

44.5803, 0.2996, 0.3223

**Tritanomaly**

45.1606, 0.2654, 0.3204

# Monochromacy



**Original Color**

45.2282, 0.2719, 0.3419

**Achromatopsia**

40.7240, 0.3127, 0.3290

**Achromatomaly**

41.9045, 0.2956, 0.3332

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.2282, 0.2719, 0.3419 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(128, 191, 182)` looks like.

```
.text, #text, p{  
    color:rgb(128, 191, 182)  
}
```

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(128, 191, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 191, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 45.2282, 0.2719, 0.3419 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(128, 191, 182) }
```

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

```
.border{ border-color:rgb(128, 191, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 191, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 191, 182); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 191, 182); box-shadow:4px 4px 4px 4px rgb(128, 191, 182) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.2282, 0.2719, 0.3419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 191, 182) }
```

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

```
.background{ background-color: rgb(128,  
191, 182) }
```

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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