

# Converting Colors

$Yxy(45.6532, 0.2297, 0.3270)$

Have a look what the booklet for  
Yxy(45.6532, 0.2297, 0.3270)  
contains.

<b>Yxy(45.6213, 0.2297, 0.3273)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(45.6213, 0.2297, 0.3273)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2FC7C8
RGB	47, 199, 200
RGB Percent	18%, 78%, 78%
CMY	0.8158, 0.2196, 0.2158
CMYK	0.77, 0.00, 0.00, 0.22
HSL	180°, 62%, 48%
HSV	180°, 77%, 78%
XYZ	32.0171, 45.6213, 61.7484
YIQ	153.6660, -90.9130, -31.9130

# Conversions

## Conversions Part 2

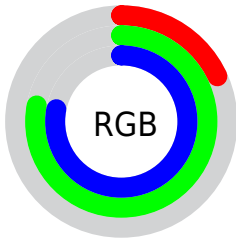
<b>Format</b>	<b>Color</b>
<b>RYB</b>	47, 123, 200
Decimal	3131336
CIELab	73.30, -37.01, -11.58
CIELCh	73, 38.782, 197.376
Yxy	45.6213, 0.2297, 0.3273
Android (android.graphics.Color)	4281321416 (0xFF2FC7C8)
YUV	153.6660, 22.8427, -93.5461
Hunter-Lab	67.5435, -33.5882, -6.9225

# Details

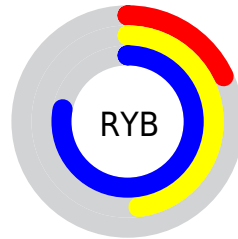
The Yxy color **45.6213, 0.2297, 0.3273** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted cyan. A complement of this color would be **14.5896, 0.5751, 0.3306**, and the grayscale version is **32.0840, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7331, 0.2446, 0.3288**, and **22.0218, 0.2235, 0.3247** is the 20% darker color. If you saturate the color by 10%, you get **45.1937, 0.2263, 0.3271**, and if you desaturate by 10%, it is **46.2699, 0.2349, 0.3275**.

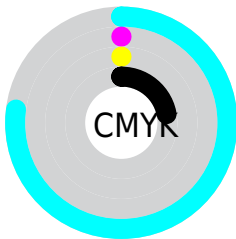
# Distribution



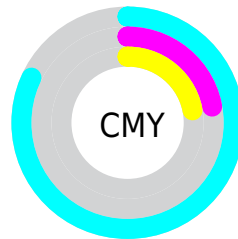
- Red (18%)
- Green (78%)
- Blue (78%)



- Red (18%)
- Yellow (48%)
- Blue (78%)



- Cyan (77%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)




- Cyan (82%)
- Magenta (22%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.6213, 0.2297, 0.3273 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 45.6213, 0.2297, 0.3273 by changing the saturation by 10% instead.





 45.6213, 0.2297,  
0.3273

 45.6213, 0.2297,  
0.3273


369.2840, 0.2702,  
0.3294


 31.9471, 0.2200,  
0.3264


 83.6520, 0.2441,  
0.3283


 21.3211, 0.2078,  
0.3251


 108.7772, 0.2496,  
0.3286

 13.3589, 0.1920,  
0.3229


 138.4882, 0.2543,  
0.3288

 7.6762, 0.1709,  
0.3192

 173.1694, 0.2584,  
0.3290

 3.8884, 0.1417,  
0.3123

 213.2052, 0.2619,  
0.3291

 1.6114, 0.0924,  
0.3003

258.9800, 0.2650,

 0.3652, 0.0000,

0.3292

0.2292

310.8781, 0.2677,  
0.3293

0.0000, 0.0000,  
0.0000

45.6213, 0.2297,  
0.3273

45.6213, 0.2297,  
0.3273

45.1937, 0.2263,  
0.3271

46.2699, 0.2349,  
0.3275

44.9478, 0.2246,  
0.3269

47.1606, 0.2421,  
0.3278

44.8826, 0.2241,  
0.3268

48.3180, 0.2511,  
0.3280

49.7619, 0.2619,  
0.3282

51.5106, 0.2743,  
0.3284

■ 53.5807, 0.2880,  
0.3287

■ 55.9875, 0.3027,  
0.3289

■ 58.7456, 0.3182,  
0.3291

■ 61.8686, 0.3341,  
0.3293

# Harmonies

## Analogous

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



45.6213, 0.2664, 0.3823



45.6213, 0.2297, 0.3273



45.6213, 0.2146, 0.2792

# Triad

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



45.6213, 0.2297, 0.3273



45.6213, 0.3002, 0.2548



45.6213, 0.4088, 0.4029

# Complementary

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



45.6213, 0.2297, 0.3273



14.5896, 0.5751, 0.3306

# 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.



45.6213, 0.4217, 0.3640



45.6213, 0.2297, 0.3273



45.6213, 0.3559, 0.2826

# Square

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



45.6213, 0.2297, 0.3273



45.6213, 0.2523, 0.2429



45.6213, 0.4021, 0.3212



45.6213, 0.3699, 0.4265



# Rectangle

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



45.6213, 0.2297, 0.3273



45.6213, 0.2174, 0.2575



45.6213, 0.4021, 0.3212



45.6213, 0.4165, 0.3910

# Sweetspot

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



45.6230, 0.2297, 0.3273



90.2854, 0.2785, 0.3285



42.1072, 0.3015, 0.5684



19.0599, 0.2737, 0.3284



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.



45.6230, 0.2297, 0.3273



77.9465, 0.2250, 0.3269



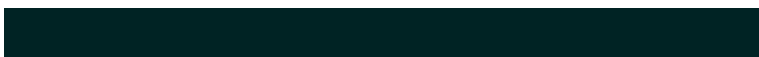
19.0551, 0.1970, 0.2003



12.0556, 0.2984, 0.3288



28.5500, 0.2241, 0.3268



1.3557, 0.2242, 0.3273



# Inverse Universe

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



18.4301, 0.3215, 0.1686



28.8990, 0.3223, 0.1570



26.7640, 0.4884, 0.4154



10.8154, 0.3139, 0.3064



10.4221, 0.3225, 0.1550

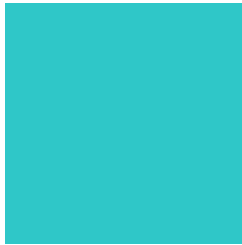


0.4939, 0.3221, 0.1548



# Previews

## White Background



This preview shows how the Yxy color 45.6213, 0.2297, 0.3273 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

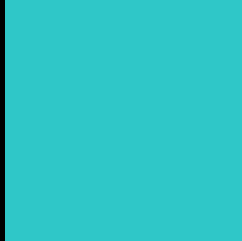
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.6213, 0.2297, 0.3273 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

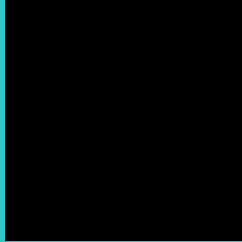
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

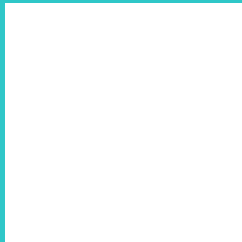
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 45.6213, 0.2297, 0.3273**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.6213, 0.2297, 0.3273.

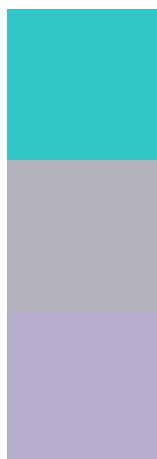


This preview shows how white text looks on a background with the Yxy color 45.6213, 0.2297, 0.3273.

# 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

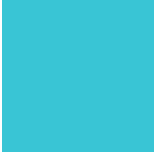
45.6213, 0.2297, 0.3273

### Protanopia

45.0124, 0.3064, 0.3172

### Deuteranopia

44.7472, 0.2958, 0.2898



## **Tritanopia**

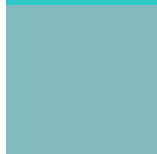
45.6065, 0.2256, 0.3056

# Trichromacy



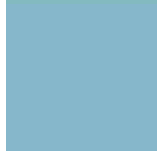
## Original Color

45.6213, 0.2297, 0.3273



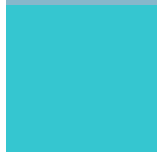
## Protanomaly

43.7489, 0.2668, 0.3203



## Deuteranomaly

43.2471, 0.2613, 0.3010



## Tritanomaly

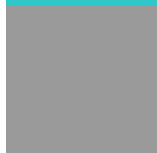
45.6991, 0.2271, 0.3141

# Monochromacy



## Original Color

45.6213, 0.2297, 0.3273



## Achromatopsia

32.3143, 0.3127, 0.3290



## Achromatomaly

35.3346, 0.2667, 0.3273

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.6213, 0.2297, 0.3273 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(47, 199, 200)` looks like.

```
.text, #text, p{  
    color:rgb(47, 199, 200)  
}
```

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(47, 199, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 199, 200) }
```

## Border

The CSS property to change the border of an element to Yxy 45.6213, 0.2297, 0.3273 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(47, 199, 200) }
```

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

```
.border{ border-color:rgb(47, 199, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 199, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 199, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 199, 200);  
box-shadow:4px 4px 4px 4px rgb(47, 199,  
200) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.6213, 0.2297, 0.3273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 199, 200) }
```

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

```
.background{ background-color: rgb(47, 199,  
200) }
```

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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