

# Converting Colors

$Y_{xy}(42.4640, 0.2255, 0.3191)$

Have a look what the booklet for  
Yxy(42.4640, 0.2255, 0.3191)  
contains.

<b>Yxy(42.6385, 0.2256, 0.3196)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(42.6385, 0.2256, 0.3196)**

# Conversions

## Conversions Part 1

Format	Color
Hex	24C1C7
RGB	36, 193, 199
RGB Percent	14%, 76%, 78%
CMY	0.8600, 0.2431, 0.2196
CMYK	0.82, 0.03, 0.00, 0.22
HSL	182°, 70%, 46%
HSV	182°, 82%, 78%
XYZ	30.0978, 42.6385, 60.6758
YIQ	146.7410, -95.4980, -31.4180

# Conversions

## Conversions Part 2

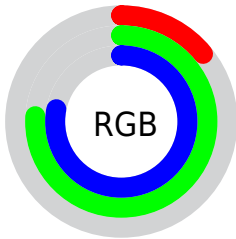
Format	Color
R <sub>Y</sub> B	36, 116, 199
Decimal	2408903
CIE Lab	71.31, -35.53, -14.05
CIE LCh	71, 38.207, 201.575
Yxy	42.6385, 0.2256, 0.3196
Android (android.graphics.Color)	4280598983 (0xFF24C1C7)
YUV	146.7410, 25.7637, -97.1199
Hunter-Lab	65.2982, -31.9961, -9.3842

# Details

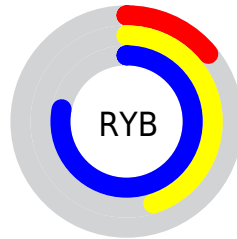
The Yxy color **42.6385, 0.2256, 0.3196** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted cyan. A complement of this color would be **13.9004, 0.5932, 0.3341**, and the grayscale version is **28.9498, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1686, 0.2414, 0.3230**, and **20.5096, 0.2212, 0.3163** is the 20% darker color. If you saturate the color by 10%, you get **42.0573, 0.2228, 0.3184**, and if you desaturate by 10%, it is **43.4228, 0.2302, 0.3208**.

# Distribution



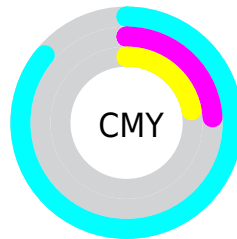
- Red (14%)
- Green (76%)
- Blue (78%)



- Red (14%)
- Yellow (45%)
- Blue (78%)



- Cyan (82%)
- Magenta (3%)
- Yellow (0%)
- Black (22%)




- Cyan (86%)
- Magenta (24%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.6385, 0.2256, 0.3196 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 42.6385, 0.2256, 0.3196 by changing the saturation by 10% instead.





 42.6385, 0.2256,  
0.3196

 42.6385, 0.2256,  
0.3196


357.1230, 0.2684,  
0.3257


 29.6016, 0.2153,  
0.3176


 79.1651, 0.2409,  
0.3222

 19.5364, 0.2022,  
0.3148


 103.4235, 0.2467,  
0.3230


 12.0585, 0.1853,  
0.3107


 132.1912, 0.2517,  
0.3237

 6.7835, 0.1627,  
0.3040

 165.8526, 0.2560,  
0.3243

 3.3271, 0.1315,  
0.2925

 204.7921, 0.2597,  
0.3247

 1.3048, 0.0681,  
0.2754

249.3941, 0.2629,

 0.1449, 0.0000,

0.3251

0.1118

300.0429, 0.2658,  
0.3255

■ 0.0000, 0.0000,  
0.0000

■ 42.6385, 0.2256,  
0.3196

■ 42.6385, 0.2256,  
0.3196

■ 42.0573, 0.2228,  
0.3184

■ 43.4228, 0.2302,  
0.3208

■ 41.6949, 0.2215,  
0.3175

■ 44.4343, 0.2366,  
0.3221

■ 45.6988, 0.2450,  
0.3233

■ 47.2375, 0.2551,  
0.3245

■ 49.0692, 0.2669,  
0.3257

■ 51.2112, 0.2801,  
0.3268

■ 53.6793, 0.2944,  
0.3278

■ 56.4884, 0.3095,  
0.3288

■ 59.6522, 0.3251,  
0.3297

# Harmonies

## Analogous

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



42.6385, 0.2598, 0.3754



42.6385, 0.2256, 0.3196



42.6385, 0.2137, 0.2734

# Triad

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



42.6385, 0.2256, 0.3196



42.6385, 0.3078, 0.2574



42.6385, 0.4054, 0.4080

# Complementary

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



42.6385, 0.2256, 0.3196



13.9004, 0.5932, 0.3341

# 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.



42.6385, 0.4227, 0.3701



42.6385, 0.2256, 0.3196



42.6385, 0.3638, 0.2872

# Square

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



42.6385, 0.2256, 0.3196



42.6385, 0.2577, 0.2429



42.6385, 0.4075, 0.3271



42.6385, 0.3634, 0.4285



# Rectangle

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



42.6385, 0.2256, 0.3196



42.6385, 0.2186, 0.2537



42.6385, 0.4075, 0.3271



42.6385, 0.4144, 0.3966

# Sweetspot

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



42.6401, 0.2256, 0.3196



88.3675, 0.2756, 0.3264



41.3774, 0.2997, 0.5756



18.6285, 0.2709, 0.3260



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.



42.6401, 0.2256, 0.3196



73.0692, 0.2217, 0.3175



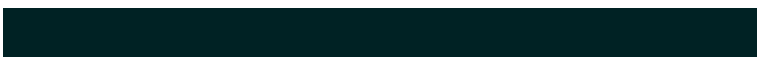
16.0594, 0.1886, 0.1802



11.9983, 0.2984, 0.3281



26.8400, 0.2216, 0.3176



1.2921, 0.2223, 0.3201



# Inverse Universe

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



17.2361, 0.3280, 0.1673



28.0149, 0.3303, 0.1598



26.3810, 0.4955, 0.4227



10.8097, 0.3143, 0.3071



10.2495, 0.3302, 0.1593

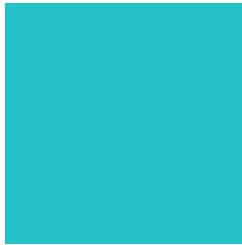


0.4875, 0.3281, 0.1581



# Previews

## White Background



This preview shows how the Yxy color 42.6385, 0.2256, 0.3196 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 42.6385, 0.2256, 0.3196 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

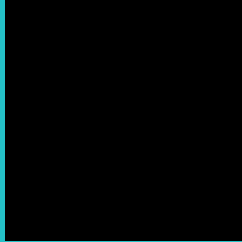
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

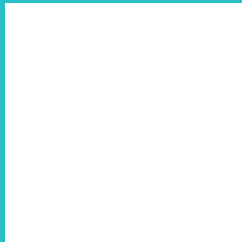
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 42.6385, 0.2256, 0.3196**

## Background



This preview shows how black text looks on a background with the Yxy color 42.6385, 0.2256, 0.3196.

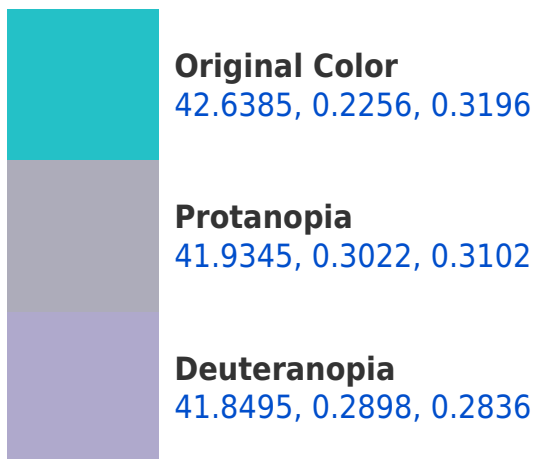


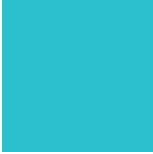
This preview shows how white text looks on a background with the Yxy color 42.6385, 0.2256, 0.3196.

# 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





## Tritanopia

42.7397, 0.2233, 0.3063

# Trichromacy



## Original Color

42.6385, 0.2256, 0.3196



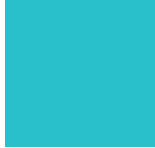
## Protanomaly

40.6151, 0.2610, 0.3128



## Deuteranomaly

40.3901, 0.2545, 0.2946



## Tritanomaly

42.5303, 0.2240, 0.3106

# Monochromacy



## Original Color

42.6385, 0.2256, 0.3196



## Achromatopsia

29.1771, 0.3127, 0.3290



## Achromatomaly

32.4299, 0.2633, 0.3256

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.6385, 0.2256, 0.3196 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(36, 193, 199)` looks like.

```
.text, #text, p{  
    color:rgb(36, 193, 199)  
}
```

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(36, 193, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 193, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 42.6385, 0.2256, 0.3196 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(36, 193, 199) }
```

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

```
.border{ border-color:rgb(36, 193, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 193, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 193, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 193, 199);  
box-shadow:4px 4px 4px 4px rgb(36, 193,  
199) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.6385, 0.2256, 0.3196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 193, 199) }
```

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

```
.background{ background-color: rgb(36, 193,  
199) }
```

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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