

Converting Colors

$Yxy(46.8071, 0.2323, 0.3460)$

Have a look what the booklet for
Yxy(46.8071, 0.2323, 0.3460)
contains.

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Color

Yxy(46.8247, 0.2322, 0.3455)

Conversions

Conversions Part 1

Format	Color
Hex	20CBC0
RGB	32, 203, 192
RGB Percent	13%, 80%, 75%
CMY	0.8735, 0.2039, 0.2472
CMYK	0.84, 0.00, 0.05, 0.20
HSL	176°, 73%, 46%
HSV	176°, 84%, 80%
XYZ	31.4695, 46.8247, 57.2332
YIQ	150.6170, -98.3850, -39.6730

Conversions

Conversions Part 2

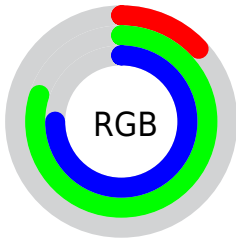
Format	Color
R _Y B	32, 120, 203
Decimal	2149312
CIE Lab	74.08, -42.36, -6.10
CIE LCh	74, 42.800, 188.197
Yxy	46.8247, 0.2322, 0.3455
Android (android.graphics.Color)	4280339392 (0xFF20CBC0)
YUV	150.6170, 20.4018, -104.0271
Hunter-Lab	68.4286, -37.6601, -1.6898

Details

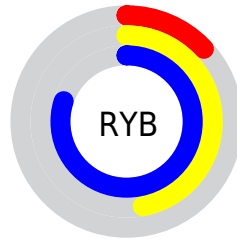
The Yxy color **46.8247, 0.2322, 0.3455** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted cyan. A complement of this color would be **13.9200, 0.5929, 0.3225**, and the grayscale version is **30.7516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8080, 0.2451, 0.3370**, and **23.0439, 0.2298, 0.3472** is the 20% darker color. If you saturate the color by 10%, you get **46.5352, 0.2306, 0.3476**, and if you desaturate by 10%, it is **47.3186, 0.2355, 0.3433**.

Distribution



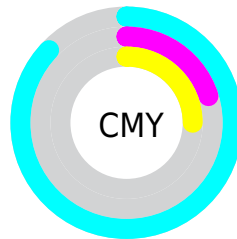
- Red (13%)
- Green (80%)
- Blue (75%)



- Red (13%)
- Yellow (47%)
- Blue (80%)



- Cyan (84%)
- Magenta (0%)
- Yellow (5%)
- Black (20%)



- Cyan (87%)
- Magenta (20%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8247, 0.2322, 0.3455 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 46.8247, 0.2322, 0.3455 by changing the saturation by 10% instead.


 46.8247, 0.2322,
0.3455


 46.8247, 0.2322,
0.3455


374.1144, 0.2716,
0.3381

 32.8971, 0.2227,
0.3471


 85.4519, 0.2463,
0.3430


 22.0476, 0.2107,
0.3489


 110.9203, 0.2516,
0.3420

 13.8919, 0.1952,
0.3510


 141.0044, 0.2562,
0.3412

 8.0455, 0.1744,
0.3534

 176.0886, 0.2601,
0.3404

 4.1241, 0.1453,
0.3556

 216.5573, 0.2635,
0.3397

 1.7432, 0.0924,
0.3601

262.7949, 0.2665,

 0.4514, 0.0000,

0.3391


0.3296


315.1858, 0.2692,
0.3386


 0.0000, 0.0000,
0.0000

 46.8247, 0.2322,
0.3455


 46.8247, 0.2322,
0.3455


 46.5352, 0.2306,
0.3476


 47.3186, 0.2355,
0.3433

 46.4234, 0.2303,
0.3489

 48.0435, 0.2407,
0.3412

 49.0275, 0.2478,
0.3390

 50.2932, 0.2568,
0.3369

 51.8611, 0.2674,
0.3349

■ 53.7493, 0.2794,
0.3330

■ 55.9750, 0.2927,
0.3313

■ 58.5538, 0.3067,
0.3296

■ 61.5006, 0.3214,
0.3281

Harmonies

Analogous

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



46.8247, 0.2778, 0.4040



46.8247, 0.2322, 0.3455



46.8247, 0.2087, 0.2882

Triad

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



46.8247, 0.2322, 0.3455



46.8247, 0.2812, 0.2428



46.8247, 0.4253, 0.3967

Complementary

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



46.8247, 0.2322, 0.3455



13.9200, 0.5929, 0.3225

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.



46.8247, 0.4292, 0.3520



46.8247, 0.2322, 0.3455



46.8247, 0.3412, 0.2680

Square

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



46.8247, 0.2322, 0.3455



46.8247, 0.2349, 0.2358



46.8247, 0.3975, 0.3065



46.8247, 0.3898, 0.4301

Rectangle

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



46.8247, 0.2322, 0.3455



46.8247, 0.2068, 0.2603



46.8247, 0.3975, 0.3065



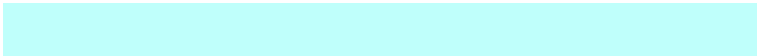
46.8247, 0.4306, 0.3824

Sweetspot

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



46.8265, 0.2322, 0.3455



89.5866, 0.2779, 0.3333



43.3439, 0.3038, 0.5814



18.9259, 0.2735, 0.3339



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.



46.8265, 0.2322, 0.3455



77.7247, 0.2303, 0.3492



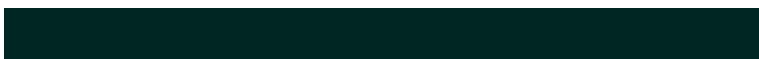
20.3271, 0.1944, 0.2054



12.7141, 0.2992, 0.3305



29.5498, 0.2302, 0.3486



1.5283, 0.2290, 0.3444

Inverse Universe

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



13.9200, 0.5929, 0.3225



21.2988, 0.6352, 0.3273



23.1614, 0.5229, 0.4028



11.2252, 0.3280, 0.3275



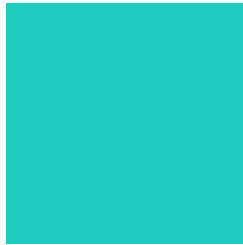
8.1035, 0.6324, 0.3257



0.4222, 0.6074, 0.3120

Previews

White Background



This preview shows how the Yxy color 46.8247, 0.2322, 0.3455 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 46.8247, 0.2322, 0.3455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

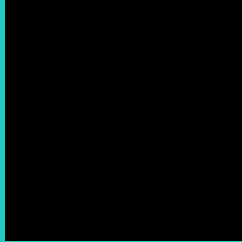
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

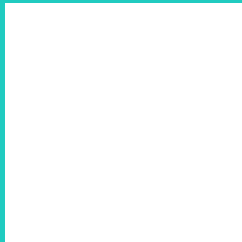
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.8247, 0.2322, 0.3455

Background



This preview shows how black text looks on a background with the Yxy color 46.8247, 0.2322, 0.3455.

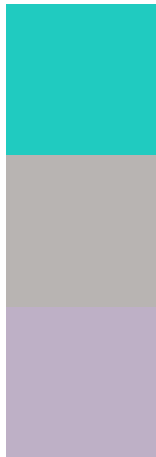


This preview shows how white text looks on a background with the Yxy color 46.8247, 0.2322, 0.3455.

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

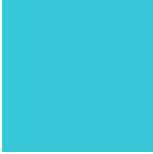
46.8247, 0.2322, 0.3455

Protanopia

46.0472, 0.3178, 0.3316

Deuteranopia

46.0750, 0.3071, 0.3014



Tritanopia

46.5890, 0.2243, 0.3044

Trichromacy



Original Color

46.8247, 0.2322, 0.3455



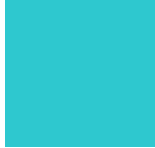
Protanomaly

44.0525, 0.2715, 0.3361



Deuteranomaly

44.0899, 0.2656, 0.3148



Tritanomaly

46.3944, 0.2268, 0.3185

Monochromacy



Original Color

46.8247, 0.2322, 0.3455



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

34.6908, 0.2652, 0.3353

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8247, 0.2322, 0.3455 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(32, 203, 192)` looks like.

```
.text, #text, p{  
    color:rgb(32, 203, 192)  
}
```

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(32, 203, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 203, 192) }
```

Border

The CSS property to change the border of an element to Yxy 46.8247, 0.2322, 0.3455 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(32, 203, 192) }
```

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

```
.border{ border-color:rgb(32, 203, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 203, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 203, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 203, 192);  
box-shadow:4px 4px 4px 4px rgb(32, 203,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8247, 0.2322, 0.3455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 203, 192) }
```

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

```
.background{ background-color: rgb(32, 203,  
192) }
```

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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