

Converting Colors

$Y_{xy}(41.7993, 0.2254, 0.3287)$

Have a look what the booklet for
Yxy(41.7993, 0.2254, 0.3287)
contains.

Yxy(41.5832, 0.2254, 0.3287)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.5832, 0.2254, 0.3287)

Conversions

Conversions Part 1

Format	Color
Hex	0CC0C0
RGB	12, 192, 192
RGB Percent	5%, 75%, 75%
CMY	0.9541, 0.2470, 0.2469
CMYK	0.94, 0.00, 0.00, 0.25
HSL	180°, 89%, 40%
HSV	180°, 94%, 75%
XYZ	28.5149, 41.5832, 56.4099
YIQ	138.1800, -107.2800, -38.1600

Conversions

Conversions Part 2

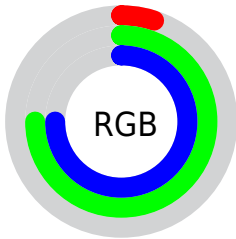
Format	Color
RYB	12, 102, 192
Decimal	835776
CIELab	70.58, -38.48, -11.35
CIELCh	71, 40.120, 196.434
Yxy	41.5832, 0.2254, 0.3287
Android (android.graphics.Color)	4279025856 (0xFF0CC0C0)
YUV	138.1800, 26.5333, -110.6599
Hunter-Lab	64.4850, -33.9171, -6.7259

Details

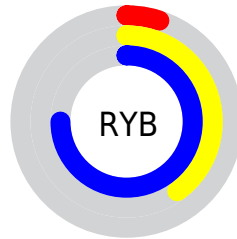
The Yxy color **41.5832, 0.2254, 0.3287** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **11.4928, 0.6298, 0.3299**, and the grayscale version is **25.3824, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5319, 0.2411, 0.3300**, and **20.0410, 0.2241, 0.3266** is the 20% darker color. If you saturate the color by 10%, you get **41.5079, 0.2246, 0.3287**, and if you desaturate by 10%, it is **41.7998, 0.2275, 0.3287**.

Distribution



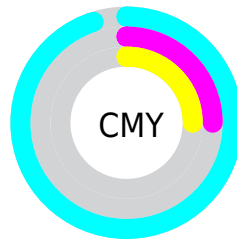
- Red (5%)
- Green (75%)
- Blue (75%)



- Red (5%)
- Yellow (40%)
- Blue (75%)



- Cyan (94%)
- Magenta (0%)
- Yellow (0%)
- Black (25%)





- Cyan (95%)
- Magenta (25%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.5832, 0.2254, 0.3287 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 41.5832, 0.2254, 0.3287 by changing the saturation by 10% instead.


 41.5832, 0.2254,
0.3287


 41.5832, 0.2254,
0.3287


352.7522, 0.2686,
0.3302


 28.7751, 0.2149,
0.3279


 77.5684, 0.2409,
0.3296

 18.9107, 0.2015,
0.3266


 101.5143, 0.2468,
0.3298

 11.6058, 0.1842,
0.3244


 129.9416, 0.2518,
0.3299

 6.4759, 0.1609,
0.3204

 163.2346, 0.2561,
0.3300

 3.1365, 0.1283,
0.3126

 201.7778, 0.2598,
0.3301

 1.2034, 0.0444,
0.3068

245.9555, 0.2631,

 0.0645, 0.0000,

0.3301

0.0695

296.1522, 0.2660,
0.3302

■ 0.0000, 0.0000,
0.0000

■ 41.5832, 0.2254,
0.3287

■ 41.5832, 0.2254,
0.3287

■ 41.5079, 0.2246,
0.3287

■ 41.7998, 0.2275,
0.3287

■ 42.1921, 0.2313,
0.3287

■ 42.7891, 0.2370,
0.3288

■ 43.6136, 0.2446,
0.3288

■ 44.6854, 0.2540,
0.3288

■ 46.0222, 0.2652,
0.3288

■ 47.6399, 0.2779,
0.3289

■ 49.5532, 0.2918,
0.3289

■ 51.7760, 0.3067,
0.3290

Harmonies

Analogous

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



41.5832, 0.2647, 0.3879



41.5832, 0.2254, 0.3287



41.5832, 0.2089, 0.2769

Triad

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



41.5832, 0.2254, 0.3287



41.5832, 0.2973, 0.2498



41.5832, 0.4158, 0.4060

Complementary

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



41.5832, 0.2254, 0.3287



11.4928, 0.6298, 0.3299

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.



41.5832, 0.4289, 0.3641



41.5832, 0.2254, 0.3287



41.5832, 0.3569, 0.2787

Square

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



41.5832, 0.2254, 0.3287



41.5832, 0.2472, 0.2377



41.5832, 0.4070, 0.3190



41.5832, 0.3748, 0.4326

Rectangle

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



41.5832, 0.2254, 0.3287



41.5832, 0.2114, 0.2537



41.5832, 0.4070, 0.3190



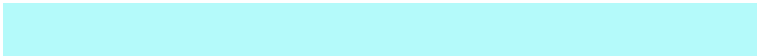
41.5832, 0.4238, 0.3930

Sweetspot

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



41.5847, 0.2254, 0.3287



84.8933, 0.2719, 0.3289



37.8148, 0.3002, 0.5954



17.9473, 0.2665, 0.3289



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.



41.5847, 0.2254, 0.3287



75.1826, 0.2246, 0.3287



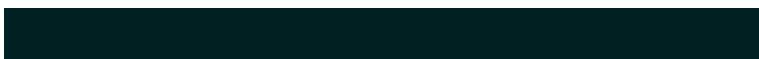
13.3601, 0.1812, 0.1681



11.4282, 0.2985, 0.3290



27.9204, 0.2246, 0.3287



1.2064, 0.2246, 0.3287

Inverse Universe

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



15.2724, 0.3209, 0.1561



27.1991, 0.3210, 0.1542



20.7132, 0.5289, 0.4126



10.2475, 0.3138, 0.3063



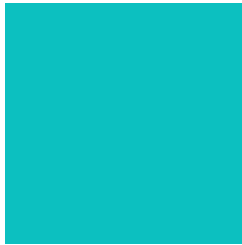
10.1008, 0.3210, 0.1542



0.4364, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 41.5832, 0.2254, 0.3287 looks on a white background.

Color Contrast Check

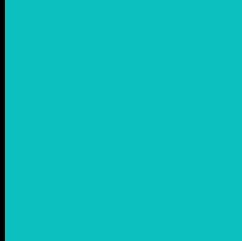
Large Text (above 18pt) WCAG AA × Fail

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 41.5832, 0.2254, 0.3287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

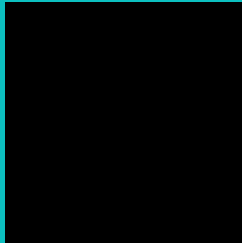
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

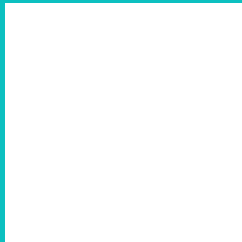
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.5832, 0.2254, 0.3287

Background



This preview shows how black text looks on a background with the Yxy color 41.5832, 0.2254, 0.3287.

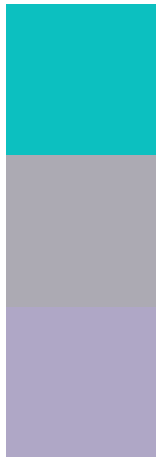


This preview shows how white text looks on a background with the Yxy color 41.5832, 0.2254, 0.3287.

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

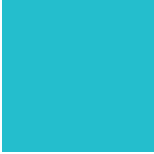
41.5832, 0.2254, 0.3287

Protanopia

40.7748, 0.3070, 0.3167

Deuteranopia

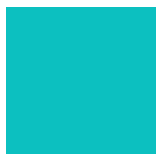
40.8286, 0.2944, 0.2883



Tritanopia

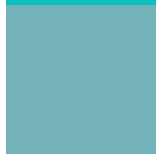
41.6098, 0.2218, 0.3060

Trichromacy



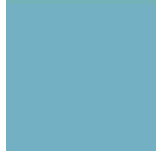
Original Color

41.5832, 0.2254, 0.3287



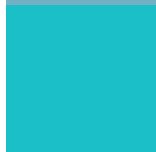
Protanomaly

38.8789, 0.2592, 0.3198



Deuteranomaly

38.7492, 0.2526, 0.2994



Tritanomaly

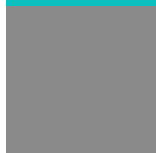
41.6647, 0.2230, 0.3149

Monochromacy



Original Color

41.5832, 0.2254, 0.3287



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

29.1977, 0.2569, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5832, 0.2254, 0.3287 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(12, 192, 192)` looks like.

```
.text, #text, p{  
    color:rgb(12, 192, 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(12, 192, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 192, 192) }
```

Border

The CSS property to change the border of an element to Yxy 41.5832, 0.2254, 0.3287 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(12, 192, 192) }
```

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

```
.border{ border-color:rgb(12, 192, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 192, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 192, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 192, 192);  
box-shadow:4px 4px 4px 4px rgb(12, 192,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5832, 0.2254, 0.3287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 192, 192) }
```

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

```
.background{ background-color: rgb(12, 192,  
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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