

Converting Colors

$Y_{xy}(41.8889, 0.2337, 0.3560)$

Have a look what the booklet for
Yxy(41.8889, 0.2337, 0.3560)
contains.

Yxy(41.8963, 0.2338, 0.3562)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(41.8963, 0.2338, 0.3562)

Conversions

Conversions Part 1

Format	Color
Hex	13C2B1
RGB	19, 194, 177
RGB Percent	7%, 76%, 69%
CMY	0.9241, 0.2392, 0.3059
CMYK	0.90, 0.00, 0.09, 0.24
HSL	174°, 82%, 42%
HSV	174°, 90%, 76%
XYZ	27.4996, 41.8963, 48.2243
YIQ	139.7370, -98.8430, -42.3870

Conversions

Conversions Part 2

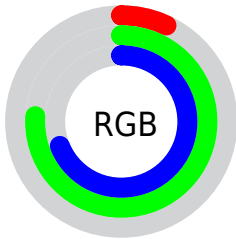
Format	Color
RYB	19, 111, 194
Decimal	1295025
CIELab	70.80, -43.44, -2.80
CIElCh	71, 43.526, 183.685
Yxy	41.8963, 0.2338, 0.3562
Android (android.graphics.Color)	4279485105 (0xFF13C2B1)
YUV	139.7370, 18.3707, -105.8863
Hunter-Lab	64.7274, -37.4366, 1.1359

Details

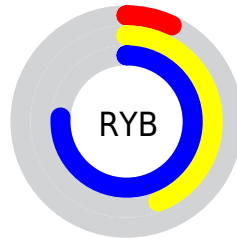
The Yxy color **41.8963, 0.2338, 0.3562** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed spring green. A complement of this color would be **12.0759, 0.6048, 0.3202**, and the grayscale version is **26.1147, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8808, 0.2477, 0.3506**, and **19.9459, 0.2333, 0.3597** is the 20% darker color. If you saturate the color by 10%, you get **41.6814, 0.2332, 0.3595**, and if you desaturate by 10%, it is **42.2582, 0.2358, 0.3529**.

Distribution



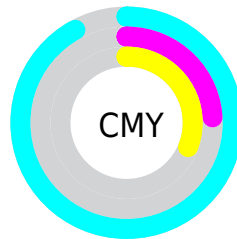
- Red (7%)
- Green (76%)
- Blue (69%)



- Red (7%)
- Yellow (44%)
- Blue (76%)



- Cyan (90%)
- Magenta (0%)
- Yellow (9%)
- Black (24%)





- Cyan (92%)
- Magenta (24%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8963, 0.2338, 0.3562 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 41.8963, 0.2338, 0.3562 by changing the saturation by 10% instead.

 41.8963, 0.2338,
0.3562


 41.8963, 0.2338,
0.3562

354.0529, 0.2733,
0.3429


 29.0201, 0.2240,
0.3594

 78.0427, 0.2481,
0.3515


 19.0960, 0.2115,
0.3634


 102.0816, 0.2535,
0.3497

 11.7397, 0.1949,
0.3685


 130.6103, 0.2581,
0.3481

 6.5667, 0.1723,
0.3752

 164.0130, 0.2620,
0.3468

 3.1926, 0.1398,
0.3841

 202.6742, 0.2654,
0.3456

 1.2331, 0.0261,
0.4237

246.9784, 0.2684,

 0.0885, 0.0000,

0.3446

0.2326

297.3098, 0.2710,
0.3437

■ 0.0000, 0.0000,
0.0000

■ 41.8963, 0.2338,
0.3562

■ 41.8963, 0.2338,
0.3562

■ 41.6814, 0.2332,
0.3595

■ 42.2582, 0.2358,
0.3529

■ 42.8126, 0.2397,
0.3495

■ 43.5872, 0.2455,
0.3462

■ 44.6040, 0.2532,
0.3430

■ 45.8823, 0.2626,
0.3398

■ 47.4396, 0.2735,
0.3368

■ 49.2917, 0.2856,
0.3340

■ 51.4534, 0.2988,
0.3314

■ 53.9383, 0.3127,
0.3290

Harmonies

Analogous

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



41.8963, 0.2843, 0.4162



41.8963, 0.2338, 0.3562



41.8963, 0.2056, 0.2936

Triad

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



41.8963, 0.2338, 0.3562



41.8963, 0.2709, 0.2363



41.8963, 0.4342, 0.3929

Complementary

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



41.8963, 0.2338, 0.3562



12.0759, 0.6048, 0.3202

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.



41.8963, 0.4330, 0.3453



41.8963, 0.2338, 0.3562



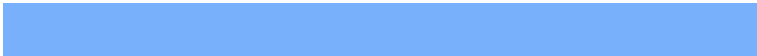
41.8963, 0.3327, 0.2600

Square

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



41.8963, 0.2338, 0.3562



41.8963, 0.2255, 0.2320



41.8963, 0.3944, 0.2985



41.8963, 0.4008, 0.4313

Rectangle

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



41.8963, 0.2338, 0.3562



41.8963, 0.2011, 0.2621



41.8963, 0.3944, 0.2985



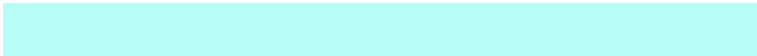
41.8963, 0.4381, 0.3774

Sweetspot

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



41.8979, 0.2338, 0.3562



86.7720, 0.2765, 0.3361



39.0202, 0.3042, 0.5886



18.7633, 0.2724, 0.3371



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.



41.8979, 0.2338, 0.3562



75.4975, 0.2333, 0.3600



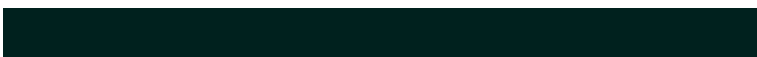
18.4861, 0.1928, 0.2067



11.4110, 0.2997, 0.3312



27.4120, 0.2331, 0.3590



1.1894, 0.2310, 0.3517

Inverse Universe

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



12.0759, 0.6048, 0.3202



20.8480, 0.6314, 0.3252



18.6960, 0.5462, 0.3934



10.0935, 0.3274, 0.3268



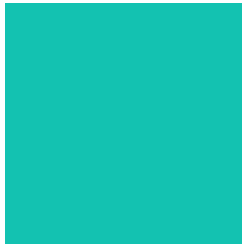
7.5771, 0.6274, 0.3230



0.3329, 0.5878, 0.3012

Previews

White Background



This preview shows how the Yxy color 41.8963, 0.2338, 0.3562 looks on a white background.

Color Contrast Check

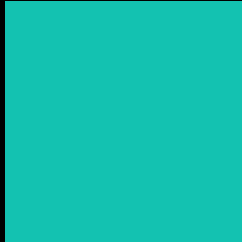
Large Text (above 18pt) WCAG AA × Fail

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 41.8963, 0.2338, 0.3562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

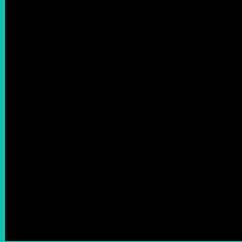
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

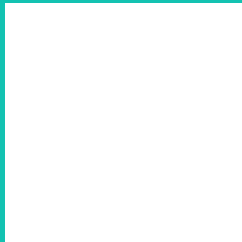
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.8963, 0.2338, 0.3562

Background



This preview shows how black text looks on a background with the Yxy color 41.8963, 0.2338, 0.3562.

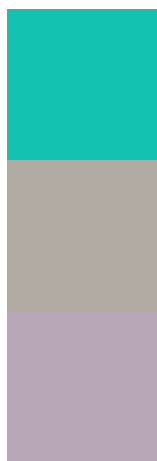


This preview shows how white text looks on a background with the Yxy color 41.8963, 0.2338, 0.3562.

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

41.8963, 0.2338, 0.3562

Protanopia

41.1533, 0.3241, 0.3386

Deuteranopia

41.1236, 0.3137, 0.3079



Tritanopia

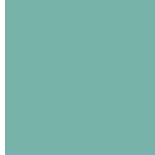
41.9385, 0.2249, 0.3062

Trichromacy



Original Color

41.8963, 0.2338, 0.3562



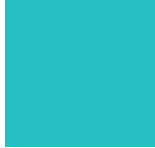
Protanomaly

39.0978, 0.2732, 0.3443



Deuteranomaly

38.9914, 0.2669, 0.3229



Tritanomaly

41.6331, 0.2271, 0.3226

Monochromacy



Original Color

41.8963, 0.2338, 0.3562



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

29.9283, 0.2637, 0.3410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8963, 0.2338, 0.3562 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(19, 194, 177)` looks like.

```
.text, #text, p{  
  color:rgb(19, 194, 177)  
}
```

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(19, 194, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 194, 177) }
```

Border

The CSS property to change the border of an element to Yxy 41.8963, 0.2338, 0.3562 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(19, 194, 177) }
```

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

```
.border{ border-color:rgb(19, 194, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 194, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 194, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 194, 177);  
box-shadow:4px 4px 4px 4px rgb(19, 194,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8963, 0.2338, 0.3562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 194, 177) }
```

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

```
.background{ background-color: rgb(19, 194,  
177) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor