

Converting Colors

$Yxy(41.8736, 0.2351, 0.3343)$

Have a look what the booklet for
Yxy(41.8736, 0.2351, 0.3343)
contains.

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Color

Yxy(41.7920, 0.2350, 0.3334)

Conversions

Conversions Part 1

Format	Color
Hex	3ABFBC
RGB	58, 191, 188
RGB Percent	23%, 75%, 74%
CMY	0.7722, 0.2510, 0.2627
CMYK	0.70, 0.00, 0.02, 0.25
HSL	179°, 53%, 49%
HSV	179°, 70%, 75%
XYZ	29.4575, 41.7920, 54.1015
YIQ	150.8910, -78.3050, -29.1290

Conversions

Conversions Part 2

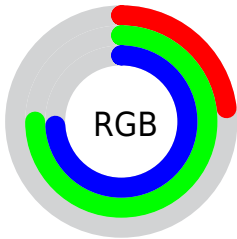
Format	Color
RYB	58, 125, 191
Decimal	3850172
CIELab	70.73, -35.46, -8.88
CIELCh	71, 36.552, 194.059
Yxy	41.7920, 0.2350, 0.3334
Android (android.graphics.Color)	4282040252 (0xFF3ABFBC)
YUV	150.8910, 18.2947, -81.4654
Hunter-Lab	64.6467, -31.7950, -4.3658

Details

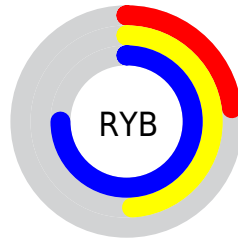
The Yxy color **41.7920, 0.2350, 0.3334** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **14.4474, 0.5389, 0.3265**, and the grayscale version is **30.8541, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9515, 0.2490, 0.3335**, and **19.6406, 0.2259, 0.3331** is the 20% darker color. If you saturate the color by 10%, you get **41.3042, 0.2305, 0.3341**, and if you desaturate by 10%, it is **42.4954, 0.2414, 0.3327**.

Distribution



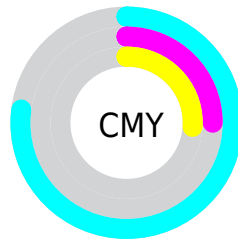
- Red (23%)
- Green (75%)
- Blue (74%)



- Red (23%)
- Yellow (49%)
- Blue (75%)



- Cyan (70%)
- Magenta (0%)
- Yellow (2%)
- Black (25%)





- Cyan (77%)
- Magenta (25%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.7920, 0.2350, 0.3334 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 41.7920, 0.2350, 0.3334 by changing the saturation by 10% instead.


 41.7920, 0.2350,
0.3334

 41.7920, 0.2350,
0.3334


353.6200, 0.2736,
0.3322

 28.9385, 0.2255,
0.3334


 77.8847, 0.2490,
0.3332

 19.0343, 0.2134,
0.3332


 101.8927, 0.2542,
0.3330

 11.6950, 0.1975,
0.3325


 130.3876, 0.2587,
0.3329

 6.5364, 0.1760,
0.3309

 163.7539, 0.2625,
0.3327

 3.1739, 0.1452,
0.3270

 202.3758, 0.2659,
0.3326

 1.2232, 0.0703,
0.3265

246.6379, 0.2688,


 0.0805, 0.0000,


0.3324

0.1021


296.9245, 0.2713,
0.3323

 0.0000, 0.0000,
0.0000


 41.7920, 0.2350,
0.3334

 41.7920, 0.2350,
0.3334

 41.3042, 0.2305,
0.3341


 42.4954, 0.2414,
0.3327


 41.0024, 0.2279,
0.3348


 43.4306, 0.2496,
0.3320

 40.8416, 0.2266,
0.3355

 44.6178, 0.2597,
0.3313

 40.8358, 0.2266,
0.3356

 46.0735, 0.2713,
0.3307

 47.8132, 0.2843,
0.3301

■ 49.8508, 0.2984,
0.3295

■ 52.1994, 0.3133,
0.3290

■ 54.8716, 0.3288,
0.3285

■ 57.8789, 0.3444,
0.3281

Harmonies

Analogous

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



41.7920, 0.2728, 0.3860



41.7920, 0.2350, 0.3334



41.7920, 0.2178, 0.2851

Triad

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



41.7920, 0.2350, 0.3334



41.7920, 0.2948, 0.2546



41.7920, 0.4089, 0.3974

Complementary

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



41.7920, 0.2350, 0.3334



14.4474, 0.5389, 0.3265

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.



41.7920, 0.4180, 0.3587



41.7920, 0.2350, 0.3334



41.7920, 0.3488, 0.2803

Square

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



41.7920, 0.2350, 0.3334



41.7920, 0.2499, 0.2450



41.7920, 0.3956, 0.3171



41.7920, 0.3735, 0.4223

Rectangle

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



41.7920, 0.2350, 0.3334



41.7920, 0.2188, 0.2625



41.7920, 0.3956, 0.3171



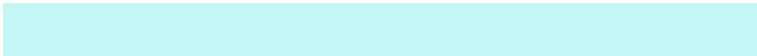
41.7920, 0.4153, 0.3854

Sweetspot

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



41.7936, 0.2350, 0.3334



85.0574, 0.2820, 0.3302



38.6069, 0.3044, 0.5487



18.4807, 0.2783, 0.3303



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.



41.7936, 0.2350, 0.3334



73.6312, 0.2288, 0.3345



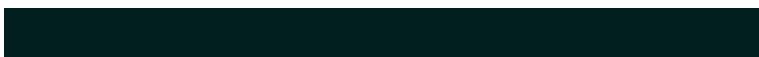
20.3554, 0.2075, 0.2223



10.8058, 0.2988, 0.3295



26.8396, 0.2265, 0.3355



1.0525, 0.2261, 0.3338

Inverse Universe

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



14.4474, 0.5389, 0.3265



21.5106, 0.6044, 0.3276



24.8408, 0.4743, 0.4065



9.5397, 0.3285, 0.3285



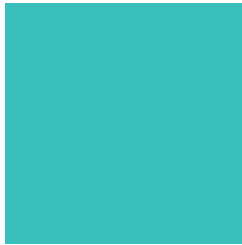
7.2870, 0.6372, 0.3284



0.2866, 0.6263, 0.3224

Previews

White Background



This preview shows how the Yxy color 41.7920, 0.2350, 0.3334 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 41.7920, 0.2350, 0.3334 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

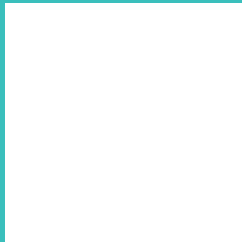
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.7920, 0.2350, 0.3334

Background



This preview shows how black text looks on a background with the Yxy color 41.7920, 0.2350, 0.3334.

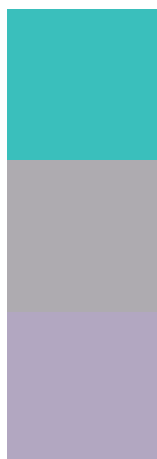


This preview shows how white text looks on a background with the Yxy color 41.7920, 0.2350, 0.3334.

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

41.7920, 0.2350, 0.3334

Protanopia

41.2591, 0.3112, 0.3222

Deuteranopia

40.9527, 0.3009, 0.2948



Tritanopia

41.9481, 0.2294, 0.3064

Trichromacy



Original Color

41.7920, 0.2350, 0.3334



Protanomaly

40.0416, 0.2741, 0.3259



Deuteranomaly

39.8806, 0.2678, 0.3073



Tritanomaly

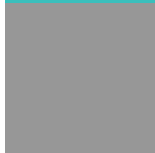
41.9941, 0.2316, 0.3166

Monochromacy



Original Color

41.7920, 0.2350, 0.3334



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

33.7347, 0.2724, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7920, 0.2350, 0.3334 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(58, 191, 188)` looks like.

```
.text, #text, p{  
    color:rgb(58, 191, 188)  
}
```

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(58, 191, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 191, 188) }
```

Border

The CSS property to change the border of an element to Yxy 41.7920, 0.2350, 0.3334 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(58, 191, 188) }
```

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

```
.border{ border-color:rgb(58, 191, 188) }
```

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

Here you see how a box with a 4 pixel rgb(58, 191, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 191, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 191, 188);  
box-shadow:4px 4px 4px 4px rgb(58, 191,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7920, 0.2350, 0.3334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 191, 188) }
```

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

```
.background{ background-color: rgb(58, 191,  
188) }
```

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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