

Converting Colors

$Y_{xy}(47.2922, 0.2355, 0.3438)$

Have a look what the booklet for
Yxy(47.2922, 0.2355, 0.3438)
contains.

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Color

Yxy(47.2922, 0.2355, 0.3438)

Conversions

Conversions Part 1

Format	Color
Hex	34CBC1
RGB	52, 203, 193
RGB Percent	20%, 80%, 76%
CMY	0.7963, 0.2039, 0.2431
CMYK	0.74, 0.00, 0.05, 0.20
HSL	176°, 59%, 50%
HSV	176°, 74%, 80%
XYZ	32.3947, 47.2922, 57.8704
YIQ	156.7110, -86.7860, -35.1220

Conversions

Conversions Part 2

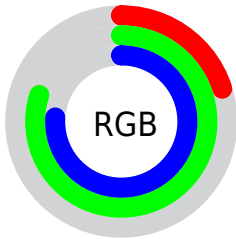
Format	Color
RYB	52, 130, 203
Decimal	3460033
CIELab	74.38, -40.29, -6.18
CIELCh	74, 40.765, 188.725
Yxy	47.2922, 0.2355, 0.3438
Android (android.graphics.Color)	4281650113 (0xFF34CBC1)
YUV	156.7110, 17.8905, -91.8315
Hunter-Lab	68.7693, -36.2614, -1.7548

Details

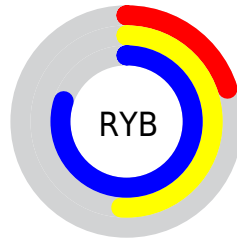
The Yxy color **47.2922, 0.2355, 0.3438** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **15.4956, 0.5527, 0.3205**, and the grayscale version is **33.5210, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4971, 0.2478, 0.3357**, and **23.0733, 0.2292, 0.3451** is the 20% darker color. If you saturate the color by 10%, you get **46.8071, 0.2323, 0.3460**, and if you desaturate by 10%, it is **48.0128, 0.2406, 0.3416**.

Distribution



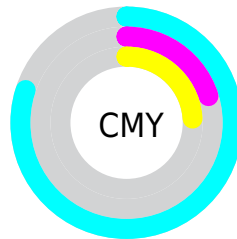
- Red (20%)
- Green (80%)
- Blue (76%)



- Red (20%)
- Yellow (51%)
- Blue (80%)



- Cyan (74%)
- Magenta (0%)
- Yellow (5%)
- Black (20%)




- Cyan (80%)
- Magenta (20%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.2922, 0.2355, 0.3438 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 47.2922, 0.2355, 0.3438 by changing the saturation by 10% instead.

 47.2922, 0.2355,
0.3438

 47.2922, 0.2355,
0.3438


375.9797, 0.2732,
0.3372

 33.2667, 0.2264,
0.3452


 86.1496, 0.2490,
0.3416

 22.3308, 0.2149,
0.3468


 111.7503, 0.2541,
0.3407

 14.1002, 0.2000,
0.3486


 141.9783, 0.2585,
0.3400

 8.1904, 0.1800,
0.3507

 177.2178, 0.2622,
0.3393

 4.2170, 0.1521,
0.3525

 217.8533, 0.2655,
0.3387

 1.7957, 0.1046,
0.3551

264.2692, 0.2684,

 0.4845, 0.0000,

0.3381

316.8498, 0.2710,
0.3377

0.3354

0.0000, 0.0000,
0.0000

47.2922, 0.2355,
0.3438

47.2922, 0.2355,
0.3438

46.8071, 0.2323,
0.3460

48.0128, 0.2406,
0.3416

46.5200, 0.2308,
0.3482

48.9900, 0.2477,
0.3394

46.4136, 0.2304,
0.3494

50.2484, 0.2566,
0.3372

51.8084, 0.2671,
0.3352

53.6883, 0.2791,
0.3332

■ 55.9051, 0.2923,
0.3314

■ 58.4748, 0.3063,
0.3297

■ 61.4119, 0.3209,
0.3282

■ 64.7305, 0.3359,
0.3268

Harmonies

Analogous

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



47.2922, 0.2788, 0.3991



47.2922, 0.2355, 0.3438



47.2922, 0.2133, 0.2897

Triad

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



47.2922, 0.2355, 0.3438



47.2922, 0.2838, 0.2469



47.2922, 0.4195, 0.3947

Complementary

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



47.2922, 0.2355, 0.3438



15.4956, 0.5527, 0.3205

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.



47.2922, 0.4236, 0.3521



47.2922, 0.2355, 0.3438



47.2922, 0.3409, 0.2713

Square

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



47.2922, 0.2355, 0.3438



47.2922, 0.2391, 0.2400



47.2922, 0.3940, 0.3085



47.2922, 0.3856, 0.4256

Rectangle

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



47.2922, 0.2355, 0.3438



47.2922, 0.2116, 0.2633



47.2922, 0.3940, 0.3085



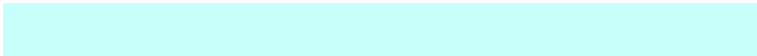
47.2922, 0.4246, 0.3812

Sweetspot

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



47.2940, 0.2355, 0.3438



90.6313, 0.2818, 0.3328



43.9873, 0.3056, 0.5609



19.1949, 0.2783, 0.3333



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.



47.2940, 0.2355, 0.3438



78.0565, 0.2312, 0.3473



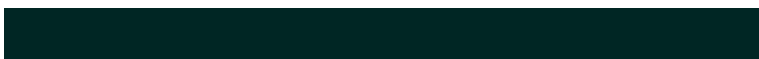
23.0875, 0.2037, 0.2217



12.7137, 0.2992, 0.3305



29.5403, 0.2303, 0.3491



1.5279, 0.2291, 0.3448

Inverse Universe

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



15.4956, 0.5527, 0.3205



22.2680, 0.6124, 0.3240



25.7617, 0.4949, 0.4027



11.2255, 0.3280, 0.3275



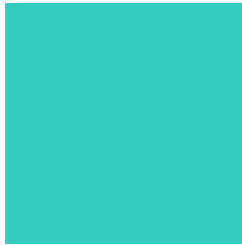
8.1041, 0.6322, 0.3256



0.4224, 0.6066, 0.3115

Previews

White Background



This preview shows how the Yxy color 47.2922, 0.2355, 0.3438 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 47.2922, 0.2355, 0.3438 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

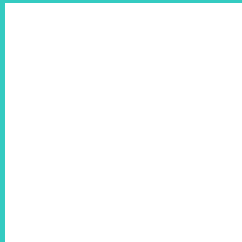
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.2922, 0.2355, 0.3438

Background



This preview shows how black text looks on a background with the Yxy color 47.2922, 0.2355, 0.3438.

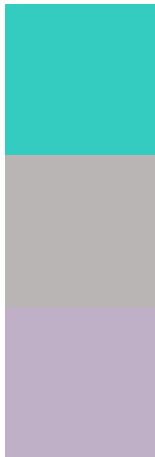


This preview shows how white text looks on a background with the Yxy color 47.2922, 0.2355, 0.3438.

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

47.2922, 0.2355, 0.3438

Protanopia

46.6573, 0.3169, 0.3303

Deuteranopia

46.2506, 0.3072, 0.3003



Tritanopia

47.4597, 0.2280, 0.3060

Trichromacy



Original Color

47.2922, 0.2355, 0.3438



Protanomaly

45.2163, 0.2758, 0.3346



Deuteranomaly

44.7245, 0.2696, 0.3136



Tritanomaly

47.3515, 0.2305, 0.3186

Monochromacy



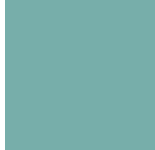
Original Color

47.2922, 0.2355, 0.3438



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

37.0963, 0.2710, 0.3351

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2922, 0.2355, 0.3438 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(52, 203, 193)` looks like.

```
.text, #text, p{  
    color:rgb(52, 203, 193)  
}
```

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(52, 203, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 203, 193) }
```

Border

The CSS property to change the border of an element to Yxy 47.2922, 0.2355, 0.3438 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(52, 203, 193) }
```

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

```
.border{ border-color:rgb(52, 203, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 203, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 203, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 203, 193);  
box-shadow:4px 4px 4px 4px rgb(52, 203,  
193) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 47.2922, 0.2355, 0.3438$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 203, 193) }
```

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

```
.background{ background-color: rgb(52, 203,  
193) }
```

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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