

Converting Colors

$Y_{xy}(67.5558, 0.2355, 0.3530)$

Have a look what the booklet for
Yxy(67.5558, 0.2355, 0.3530)
contains.

Yxy(67.5818, 0.2353, 0.3524)	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(67.5818, 0.2353, 0.3524)

Conversions

Conversions Part 1

Format	Color
Hex	30EFDD
RGB	48, 239, 221
RGB Percent	19%, 94%, 87%
CMY	0.8130, 0.0627, 0.1333
CMYK	0.80, 0.00, 0.08, 0.06
HSL	174°, 86%, 56%
HSV	174°, 80%, 94%
XYZ	45.1249, 67.5818, 79.0692
YIQ	179.8390, -108.0580, -46.0900

Conversions

Conversions Part 2

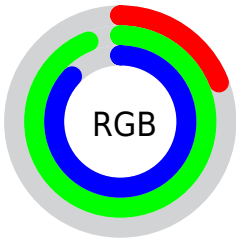
Format	Color
RYB	48, 148, 239
Decimal	3207133
CIELab	85.80, -48.72, -4.26
CIELCh	86, 48.907, 184.992
Yxy	67.5818, 0.2353, 0.3524
Android (android.graphics.Color)	4281397213 (0xFF30EFDD)
YUV	179.8390, 20.2924, -115.6228
Hunter-Lab	82.2082, -45.8839, 0.5196

Details

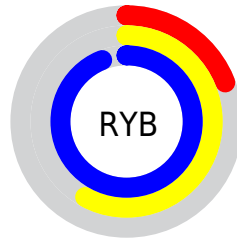
The Yxy color **67.5818, 0.2353, 0.3524** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **20.8328, 0.5735, 0.3176**, and the grayscale version is **45.4372, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3292, 0.2475, 0.3288**, and **36.2091, 0.2323, 0.3562** is the 20% darker color. If you saturate the color by 10%, you get **67.0358, 0.2334, 0.3556**, and if you desaturate by 10%, it is **68.4465, 0.2391, 0.3491**.

Distribution



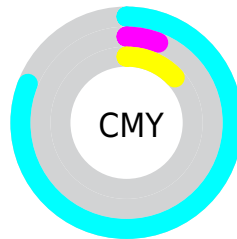
- Red (19%)
- Green (94%)
- Blue (87%)



- Red (19%)
- Yellow (58%)
- Blue (94%)



- Cyan (80%)
- Magenta (0%)
- Yellow (8%)
- Black (6%)





- Cyan (81%)
- Magenta (6%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.5818, 0.2353, 0.3524 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 67.5818, 0.2353, 0.3524 by changing the saturation by 10% instead.


 67.5818, 0.2353,
0.3524


 67.5818, 0.2353,
0.3524


452.0129, 0.2709,
0.3421

 49.5576, 0.2273,
0.3546


 115.7537, 0.2476,
0.3489


 35.0620, 0.2174,
0.3573


 146.6701, 0.2524,
0.3475

 23.7106, 0.2050,
0.3605


 182.6528, 0.2566,
0.3463

 15.1191, 0.1890,
0.3646

 224.0860, 0.2602,
0.3453

 8.9030, 0.1678,
0.3695

271.3543, 0.2634,
0.3443

 4.6780, 0.1386,
0.3756

324.8419, 0.2662,

 2.0596, 0.0886,

0.3435

384.9333, 0.2687,
0.3427

0.3858

0.6418, 0.0000,
0.3917

0.0000, 0.0000,
0.0000

67.5818, 0.2353,
0.3524

67.5818, 0.2353,
0.3524

67.0358, 0.2334,
0.3556


68.4465, 0.2391,
0.3491

66.7271, 0.2330,
0.3588


69.6663, 0.2448,
0.3459


71.2810, 0.2524,
0.3427

73.3230, 0.2619,
0.3396

 75.8214, 0.2729,
0.3367

 78.8027, 0.2852,
0.3339

 82.2915, 0.2986,
0.3314

 86.3104, 0.3127,
0.3290

 89.3694, 0.3219,
0.3268

Harmonies

Analogous

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



67.5818, 0.2832, 0.4101



67.5818, 0.2353, 0.3524



67.5818, 0.2090, 0.2931

Triad

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



67.5818, 0.2353, 0.3524



67.5818, 0.2750, 0.2403



67.5818, 0.4286, 0.3928

Complementary

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



67.5818, 0.2353, 0.3524



20.8328, 0.5735, 0.3176

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.



67.5818, 0.4288, 0.3471



67.5818, 0.2353, 0.3524



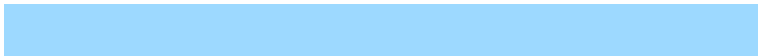
67.5818, 0.3348, 0.2639

Square

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



67.5818, 0.2353, 0.3524



67.5818, 0.2303, 0.2353



67.5818, 0.3932, 0.3017



67.5818, 0.3956, 0.4285

Rectangle

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



67.5818, 0.2353, 0.3524



67.5818, 0.2053, 0.2634



67.5818, 0.3932, 0.3017



67.5818, 0.4327, 0.3780

Sweetspot

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



67.5844, 0.2353, 0.3524



89.8171, 0.2801, 0.3350



63.1412, 0.3063, 0.5739



18.9640, 0.2757, 0.3360



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.



67.5844, 0.2353, 0.3524



77.4087, 0.2331, 0.3577



32.8671, 0.1998, 0.2204



17.9018, 0.2993, 0.3312



36.8795, 0.2329, 0.3583



3.0754, 0.2317, 0.3541

Inverse Universe

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



20.8328, 0.5735, 0.3176



21.5927, 0.6246, 0.3240



33.0362, 0.5209, 0.3968



15.7830, 0.3278, 0.3268



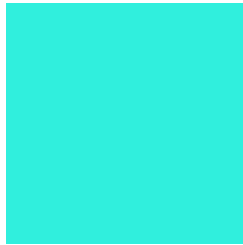
10.1824, 0.6293, 0.3240



0.8552, 0.6057, 0.3110

Previews

White Background



This preview shows how the Yxy color 67.5818, 0.2353, 0.3524 looks on a white background.

Color Contrast Check

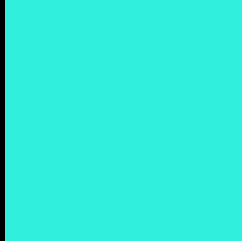
Large Text (above 18pt) WCAG AA × Fail

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 67.5818, 0.2353, 0.3524 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

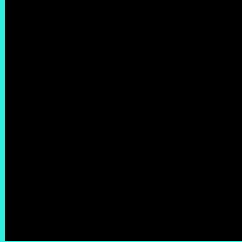
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

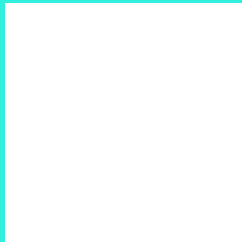
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.5818, 0.2353, 0.3524

Background



This preview shows how black text looks on a background with the Yxy color 67.5818, 0.2353, 0.3524.

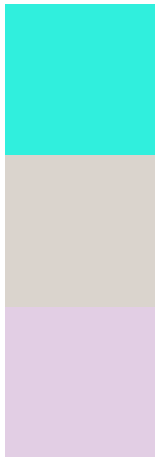


This preview shows how white text looks on a background with the Yxy color 67.5818, 0.2353, 0.3524.

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

67.5818, 0.2353, 0.3524

Protanopia

66.4002, 0.3220, 0.3369

Deuteranopia

65.9128, 0.3123, 0.3053



Tritanopia

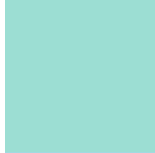
67.3152, 0.2260, 0.3054

Trichromacy



Original Color

67.5818, 0.2353, 0.3524



Protanomaly

64.0136, 0.2761, 0.3426



Deuteranomaly

63.1561, 0.2707, 0.3204



Tritanomaly

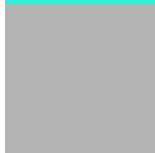
67.3985, 0.2293, 0.3224

Monochromacy



Original Color

67.5818, 0.2353, 0.3524



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

50.6190, 0.2681, 0.3371

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.5818, 0.2353, 0.3524 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(48, 239, 221)` looks like.

```
.text, #text, p{  
    color:rgb(48, 239, 221)  
}
```

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(48, 239, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 239, 221) }
```

Border

The CSS property to change the border of an element to Yxy 67.5818, 0.2353, 0.3524 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(48, 239, 221) }
```

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

```
.border{ border-color:rgb(48, 239, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 239, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 239, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 239, 221);  
box-shadow:4px 4px 4px 4px rgb(48, 239,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 67.5818, 0.2353, 0.3524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 239, 221) }
```

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

```
.background{ background-color: rgb(48, 239,  
221) }
```

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