

Converting Colors

$Y_{xy}(71.1733, 0.2350, 0.3421)$

Have a look what the booklet for
Yxy(71.1733, 0.2350, 0.3421)
contains.

Yxy(71.0744, 0.2348, 0.3414)	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(71.0744, 0.2348, 0.3414)

Conversions

Conversions Part 1

Format	Color
Hex	40F3E9
RGB	64, 243, 233
RGB Percent	25%, 95%, 91%
CMY	0.7482, 0.0471, 0.0863
CMYK	0.74, 0.00, 0.04, 0.05
HSL	177°, 88%, 60%
HSV	177°, 74%, 95%
XYZ	48.8819, 71.0744, 88.2289
YIQ	188.3390, -103.4740, -41.0580

Conversions

Conversions Part 2

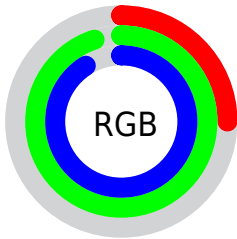
Format	Color
R _{YB}	64, 156, 243
Decimal	4256745
CIE _{Lab}	87.52, -45.62, -7.97
CIE _{LCh}	88, 46.307, 189.914
Y _{xy}	71.0744, 0.2348, 0.3414
Android (android.graphics.Color)	4282446825 (0xFF40F3E9)
YUV	188.3390, 22.0179, -109.0453
Hunter-Lab	84.3056, -44.0375, -3.0352

Details

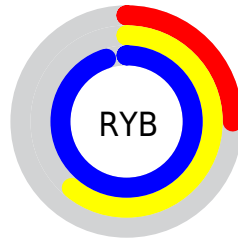
The Yxy color **71.0744, 0.2348, 0.3414** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **23.2412, 0.5548, 0.3220**, and the grayscale version is **50.4432, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1433, 0.2512, 0.3288**, and **38.2921, 0.2288, 0.3436** is the 20% darker color. If you saturate the color by 10%, you get **70.3520, 0.2315, 0.3433**, and if you desaturate by 10%, it is **72.1577, 0.2401, 0.3395**.

Distribution



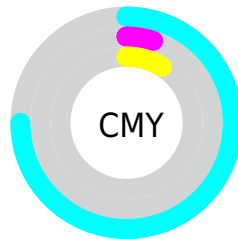
- Red (25%)
- Green (95%)
- Blue (91%)



- Red (25%)
- Yellow (61%)
- Blue (95%)



- Cyan (74%)
- Magenta (0%)
- Yellow (4%)
- Black (5%)




- Cyan (75%)
- Magenta (5%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.0744, 0.2348, 0.3414 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 71.0744, 0.2348, 0.3414 by changing the saturation by 10% instead.

 71.0744, 0.2348,
0.3414

 71.0744, 0.2348,
0.3414


464.3135, 0.2702,
0.3365

 52.4029, 0.2269,
0.3423


 120.7397, 0.2469,
0.3399


 37.3263, 0.2173,
0.3433


 152.5022, 0.2517,
0.3392

 25.4603, 0.2053,
0.3444


 189.3973, 0.2558,
0.3387

 16.4203, 0.1901,
0.3455

 231.8092, 0.2594,
0.3381

 9.8221, 0.1700,
0.3464

280.1224, 0.2626,
0.3377

 5.2811, 0.1428,
0.3465

334.7212, 0.2654,

 2.4131, 0.1041,

0.3372

0.3440

395.9901, 0.2679,
0.3369

0.8326, 0.0000,
0.3487

0.0000, 0.0000,
0.0000

71.0744, 0.2348,
0.3414

71.0744, 0.2348,
0.3414

70.3520, 0.2315,
0.3433

72.1577, 0.2401,
0.3395

69.9327, 0.2299,
0.3451


73.6346, 0.2473,
0.3377


69.7769, 0.2295,
0.3463

75.5432, 0.2564,
0.3358

77.9149, 0.2672,
0.3341

 80.7782, 0.2795,
0.3324

 84.1593, 0.2930,
0.3309

 88.0825, 0.3074,
0.3295

 91.8806, 0.3200,
0.3282

 91.9634, 0.3192,
0.3269

Harmonies

Analogous

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



71.0744, 0.2771, 0.3966



71.0744, 0.2348, 0.3414



71.0744, 0.2136, 0.2882

Triad

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



71.0744, 0.2348, 0.3414



71.0744, 0.2862, 0.2481



71.0744, 0.4178, 0.3958

Complementary

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



71.0744, 0.2348, 0.3414



23.2412, 0.5548, 0.3220

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.



71.0744, 0.4231, 0.3538



71.0744, 0.2348, 0.3414



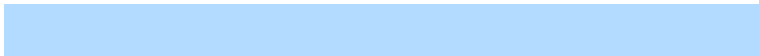
71.0744, 0.3430, 0.2730

Square

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



71.0744, 0.2348, 0.3414



71.0744, 0.2411, 0.2405



71.0744, 0.3950, 0.3104



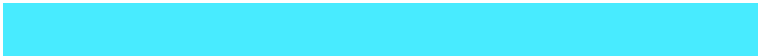
71.0744, 0.3832, 0.4256

Rectangle

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



71.0744, 0.2348, 0.3414



71.0744, 0.2126, 0.2626



71.0744, 0.3950, 0.3104



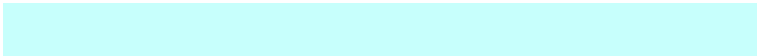
71.0744, 0.4233, 0.3825

Sweetspot

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



71.0771, 0.2348, 0.3414



90.6680, 0.2815, 0.3322



66.0114, 0.3056, 0.5608



19.2037, 0.2780, 0.3326



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.



71.0771, 0.2348, 0.3414



78.2431, 0.2305, 0.3441



34.6661, 0.2038, 0.2218



18.7409, 0.2988, 0.3303



38.3054, 0.2295, 0.3460



3.3715, 0.2288, 0.3437

Inverse Universe

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



23.2412, 0.5548, 0.3220



22.3947, 0.6114, 0.3248



38.6777, 0.4948, 0.4027



16.4975, 0.3285, 0.3277



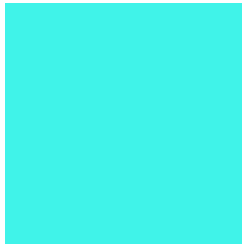
10.4807, 0.6343, 0.3268



0.9263, 0.6199, 0.3188

Previews

White Background



This preview shows how the Yxy color 71.0744, 0.2348, 0.3414 looks on a white background.

Color Contrast Check

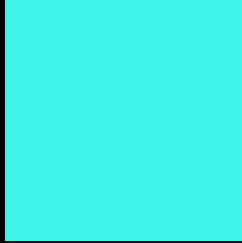
Large Text (above 18pt) WCAG AA × Fail

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 71.0744, 0.2348, 0.3414 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

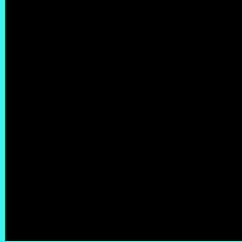
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.0744, 0.2348, 0.3414

Background



This preview shows how black text looks on a background with the Yxy color 71.0744, 0.2348, 0.3414.

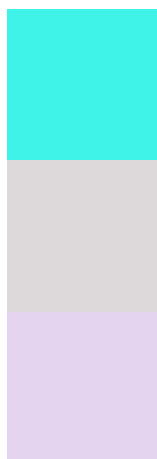


This preview shows how white text looks on a background with the Yxy color 71.0744, 0.2348, 0.3414.

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

71.0744, 0.2348, 0.3414

Protanopia

69.4936, 0.3157, 0.3279

Deuteranopia

69.8722, 0.3055, 0.2995



Tritanopia

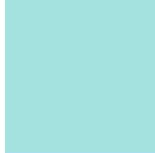
70.7314, 0.2348, 0.3073

Trichromacy



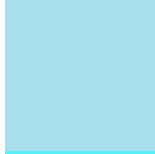
Original Color

71.0744, 0.2348, 0.3414



Protanomaly

67.6129, 0.2745, 0.3325



Deuteranomaly

67.2146, 0.2688, 0.3125



Tritanomaly

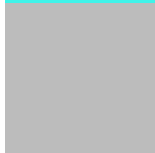
70.6221, 0.2343, 0.3190

Monochromacy



Original Color

71.0744, 0.2348, 0.3414



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

55.3110, 0.2705, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.0744, 0.2348, 0.3414 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(64, 243, 233)` looks like.

```
.text, #text, p{  
    color:rgb(64, 243, 233)  
}
```

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(64, 243, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 243, 233) }
```

Border

The CSS property to change the border of an element to Yxy 71.0744, 0.2348, 0.3414 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(64, 243, 233) }
```

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

```
.border{ border-color:rgb(64, 243, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 243, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 243, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 243, 233);  
box-shadow:4px 4px 4px 4px rgb(64, 243,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 71.0744, 0.2348, 0.3414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 243, 233) }
```

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

```
.background{ background-color: rgb(64, 243,  
233) }
```

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