

Converting Colors

$Y_{xy}(70.9542, 0.2357, 0.3485)$

Have a look what the booklet for
Yxy(70.9542, 0.2357, 0.3485)
contains.

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Color

Yxy(71.2023, 0.2359, 0.3492)

Conversions

Conversions Part 1

Format	Color
Hex	3AF4E4
RGB	58, 244, 228
RGB Percent	23%, 96%, 89%
CMY	0.7723, 0.0431, 0.1059
CMYK	0.76, 0.00, 0.07, 0.04
HSL	175°, 89%, 59%
HSV	175°, 76%, 96%
XYZ	48.1003, 71.2023, 84.5986
YIQ	186.5620, -105.7200, -44.4080

Conversions

Conversions Part 2

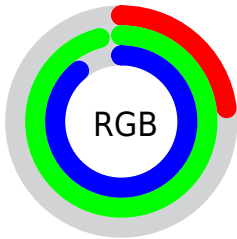
Format	Color
R _Y B	58, 155, 244
Decimal	3863780
CIE Lab	87.58, -48.03, -5.27
CIE LCh	88, 48.319, 186.265
Yxy	71.2023, 0.2359, 0.3492
Android (android.graphics.Color)	4282053860 (0xFF3AF4E4)
YUV	186.5620, 20.4289, -112.7489
Hunter-Lab	84.3815, -45.9165, -0.3756

Details

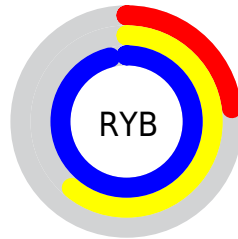
The Yxy color **71.2023, 0.2359, 0.3492** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **22.7619, 0.5595, 0.3179**, and the grayscale version is **49.3738, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8083, 0.2497, 0.3288**, and **38.5578, 0.2311, 0.3521** is the 20% darker color. If you saturate the color by 10%, you get **70.5219, 0.2333, 0.3522**, and if you desaturate by 10%, it is **72.2357, 0.2405, 0.3462**.

Distribution



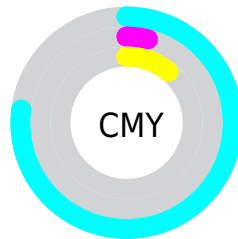
- Red (23%)
- Green (96%)
- Blue (89%)



- Red (23%)
- Yellow (61%)
- Blue (96%)



- Cyan (76%)
- Magenta (0%)
- Yellow (7%)
- Black (4%)




- Cyan (77%)
- Magenta (4%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.2023, 0.2359, 0.3492 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 71.2023, 0.2359, 0.3492 by changing the saturation by 10% instead.


 71.2023, 0.2359,
0.3492


 71.2023, 0.2359,
0.3492


464.7603, 0.2709,
0.3405

 52.5073, 0.2281,
0.3510


 120.9217, 0.2479,
0.3463


 37.4096, 0.2185,
0.3532


 152.7150, 0.2526,
0.3452

 25.5248, 0.2066,
0.3557


 189.6430, 0.2567,
0.3441

 16.4685, 0.1913,
0.3588

 232.0904, 0.2603,
0.3432

 9.8563, 0.1712,
0.3625

280.4414, 0.2634,
0.3424

 5.3038, 0.1438,
0.3668

335.0805, 0.2662,

 2.4266, 0.1037,

0.3417

0.3713

396.3920, 0.2687,
0.3411

0.8395, 0.0000,
0.3889

0.0000, 0.0000,
0.0000

71.2023, 0.2359,
0.3492

71.2023, 0.2359,
0.3492

70.5219, 0.2333,
0.3522

72.2357, 0.2405,
0.3462


70.1326, 0.2324,
0.3551

73.6573, 0.2470,
0.3433


70.0297, 0.2323,
0.3562


75.5067, 0.2554,
0.3404


77.8166, 0.2655,
0.3377

 80.6164, 0.2772,
0.3350

 83.9332, 0.2900,
0.3326

 87.7920, 0.3038,
0.3303

 92.2162, 0.3182,
0.3282

 92.6718, 0.3181,
0.3262

Harmonies

Analogous

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



71.2023, 0.2819, 0.4056



71.2023, 0.2359, 0.3492



71.2023, 0.2112, 0.2922

Triad

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



71.2023, 0.2359, 0.3492



71.2023, 0.2784, 0.2431



71.2023, 0.4246, 0.3931

Complementary

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



71.2023, 0.2359, 0.3492



22.7619, 0.5595, 0.3179

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.



71.2023, 0.4261, 0.3488



71.2023, 0.2359, 0.3492



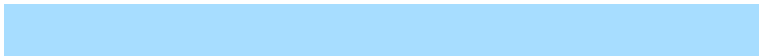
71.2023, 0.3368, 0.2669

Square

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



71.2023, 0.2359, 0.3492



71.2023, 0.2339, 0.2376



71.2023, 0.3929, 0.3043



71.2023, 0.3915, 0.4269

Rectangle

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



71.2023, 0.2359, 0.3492



71.2023, 0.2082, 0.2638



71.2023, 0.3929, 0.3043



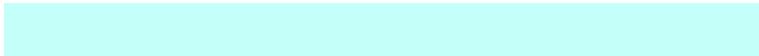
71.2023, 0.4291, 0.3789

Sweetspot

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



71.2050, 0.2359, 0.3492



90.2017, 0.2811, 0.3342



66.5725, 0.3072, 0.5657



19.0393, 0.2766, 0.3351



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.



71.2050, 0.2359, 0.3492



77.7007, 0.2326, 0.3536



36.0437, 0.2033, 0.2263



18.7318, 0.2992, 0.3310



38.0879, 0.2321, 0.3557



3.3547, 0.2311, 0.3520

Inverse Universe

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



22.7619, 0.5595, 0.3179



22.0447, 0.6142, 0.3225



36.1622, 0.5092, 0.3970



16.5057, 0.3280, 0.3270



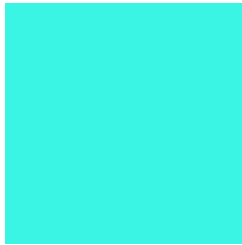
10.4954, 0.6306, 0.3248



0.9302, 0.6096, 0.3132

Previews

White Background



This preview shows how the Yxy color 71.2023, 0.2359, 0.3492 looks on a white background.

Color Contrast Check

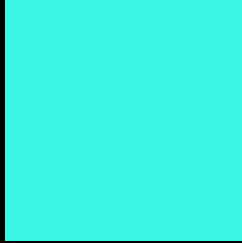
Large Text (above 18pt) WCAG AA × Fail

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 71.2023, 0.2359, 0.3492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

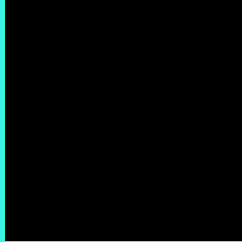
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

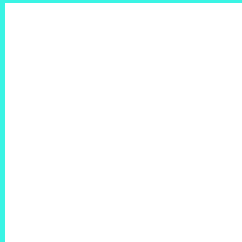
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.2023, 0.2359, 0.3492

Background



This preview shows how black text looks on a background with the Yxy color 71.2023, 0.2359, 0.3492.

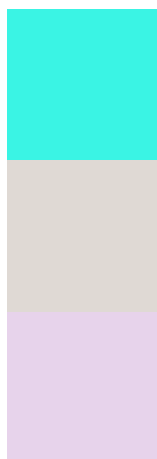


This preview shows how white text looks on a background with the Yxy color 71.2023, 0.2359, 0.3492.

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

71.2023, 0.2359, 0.3492

Protanopia

70.0671, 0.3205, 0.3345

Deuteranopia

69.5756, 0.3110, 0.3037



Tritanopia

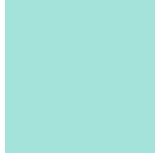
70.7314, 0.2348, 0.3073

Trichromacy



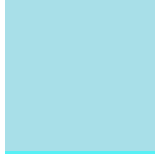
Original Color

71.2023, 0.2359, 0.3492



Protanomaly

67.7867, 0.2768, 0.3398



Deuteranomaly

66.9264, 0.2715, 0.3183



Tritanomaly

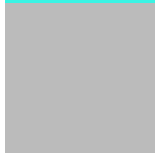
70.9390, 0.2346, 0.3226

Monochromacy



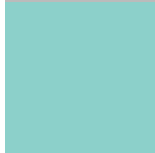
Original Color

71.2023, 0.2359, 0.3492



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

54.9515, 0.2699, 0.3368

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.2023, 0.2359, 0.3492 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, 244, 228)` looks like.

```
.text, #text, p{  
    color:rgb(58, 244, 228)  
}
```

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, 244, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 244, 228) }
```

Border

The CSS property to change the border of an element to Yxy 71.2023, 0.2359, 0.3492 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, 244, 228) }
```

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

```
.border{ border-color:rgb(58, 244, 228) }
```

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

Here you see how a box with a 4 pixel rgb(58, 244, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 244, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 244, 228);  
box-shadow:4px 4px 4px 4px rgb(58, 244,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 71.2023, 0.2359, 0.3492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 244, 228) }
```

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

```
.background{ background-color: rgb(58, 244,  
228) }
```

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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