

Converting Colors

$Yxy(63.9800, 0.2393, 0.3496)$

Have a look what the booklet for
Yxy(63.9800, 0.2393, 0.3496)
contains.

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Color

Yxy(63.9732, 0.2395, 0.3500)

Conversions

Conversions Part 1

Format	Color
Hex	46E8D8
RGB	70, 232, 216
RGB Percent	27%, 91%, 85%
CMY	0.7258, 0.0902, 0.1528
CMYK	0.70, 0.00, 0.07, 0.09
HSL	174°, 78%, 59%
HSV	174°, 70%, 91%
XYZ	43.7759, 63.9732, 75.0314
YIQ	181.7380, -91.4160, -39.3200

Conversions

Conversions Part 2

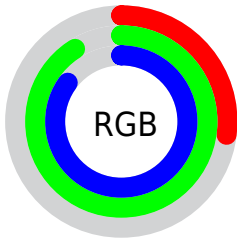
Format	Color
RYB	70, 155, 232
Decimal	4647128
CIELab	83.95, -44.69, -4.32
CIELCh	84, 44.903, 185.525
Yxy	63.9732, 0.2395, 0.3500
Android (android.graphics.Color)	4282837208 (0xFF46E8D8)
YUV	181.7380, 16.8912, -97.9942
Hunter-Lab	79.9832, -42.2751, 0.3690

Details

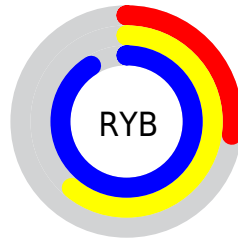
The Yxy color **63.9732, 0.2395, 0.3500** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **22.1968, 0.5272, 0.3151**, and the grayscale version is **46.5628, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2290, 0.2516, 0.3288**, and **33.6239, 0.2320, 0.3553** is the 20% darker color. If you saturate the color by 10%, you get **63.1568, 0.2357, 0.3534**, and if you desaturate by 10%, it is **65.1290, 0.2452, 0.3466**.

Distribution



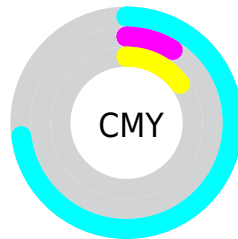
- Red (27%)
- Green (91%)
- Blue (85%)



- Red (27%)
- Yellow (61%)
- Blue (91%)



- Cyan (70%)
- Magenta (0%)
- Yellow (7%)
- Black (9%)




- Cyan (73%)
- Magenta (9%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.9732, 0.2395, 0.3500 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 63.9732, 0.2395, 0.3500 by changing the saturation by 10% instead.

 63.9732, 0.2395,
0.3500


 63.9732, 0.2395,
0.3500


439.0929, 0.2736,
0.3406


 46.6290, 0.2317,
0.3520


 110.5723, 0.2513,
0.3468

 32.7424, 0.2221,
0.3545


 140.5960, 0.2559,
0.3456

 21.9292, 0.2100,
0.3575


 175.6150, 0.2599,
0.3445

 13.8049, 0.1942,
0.3611


 216.0137, 0.2634,
0.3435

 7.9851, 0.1730,
0.3657

262.1764, 0.2664,
0.3427

 4.0854, 0.1433,
0.3714

314.4875, 0.2691,

 1.7215, 0.0841,

0.3419

373.3316, 0.2714,
0.3412

0.3839

0.4375, 0.0000,
0.3597

0.0000, 0.0000,
0.0000

63.9732, 0.2395,
0.3500

63.9732, 0.2395,
0.3500

63.1568, 0.2357,
0.3534

65.1290, 0.2452,
0.3466

62.6317, 0.2338,
0.3568


66.6513, 0.2529,
0.3433


62.3313, 0.2334,
0.3602


68.5726, 0.2623,
0.3400


62.3277, 0.2334,
0.3602

70.9198, 0.2733,
0.3370

 73.7177, 0.2856,
0.3341

 76.9889, 0.2989,
0.3314

 80.7547, 0.3129,
0.3290

 84.9359, 0.3270,
0.3268

 85.0684, 0.3255,
0.3245

Harmonies

Analogous

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



63.9732, 0.2845, 0.4036



63.9732, 0.2395, 0.3500



63.9732, 0.2149, 0.2949

Triad

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



63.9732, 0.2395, 0.3500



63.9732, 0.2784, 0.2455



63.9732, 0.4211, 0.3903

Complementary

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



63.9732, 0.2395, 0.3500



22.1968, 0.5272, 0.3151

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.



63.9732, 0.4215, 0.3474



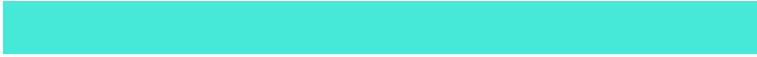
63.9732, 0.2395, 0.3500



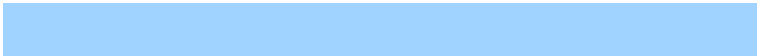
63.9732, 0.3346, 0.2682

Square

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



63.9732, 0.2395, 0.3500



63.9732, 0.2358, 0.2407



63.9732, 0.3888, 0.3042



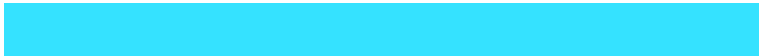
63.9732, 0.3900, 0.4229

Rectangle

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



63.9732, 0.2395, 0.3500



63.9732, 0.2115, 0.2671



63.9732, 0.3888, 0.3042



63.9732, 0.4250, 0.3765

Sweetspot

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



63.9756, 0.2395, 0.3500



90.8848, 0.2840, 0.3344



60.1424, 0.3086, 0.5489



19.2391, 0.2805, 0.3352



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.



63.9756, 0.2395, 0.3500



77.9220, 0.2346, 0.3550



34.8255, 0.2102, 0.2366



16.3106, 0.2995, 0.3313



34.6104, 0.2332, 0.3597



2.5647, 0.2319, 0.3547

Inverse Universe

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



22.1968, 0.5272, 0.3151



23.1788, 0.5890, 0.3183



34.8570, 0.4882, 0.3956



14.3909, 0.3277, 0.3267



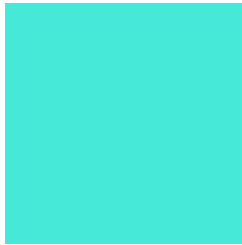
9.5666, 0.6284, 0.3235



0.7148, 0.6013, 0.3086

Previews

White Background



This preview shows how the Yxy color 63.9732, 0.2395, 0.3500 looks on a white background.

Color Contrast Check

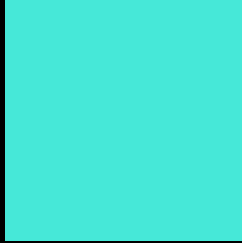
Large Text (above 18pt) WCAG AA × Fail

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 63.9732, 0.2395, 0.3500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

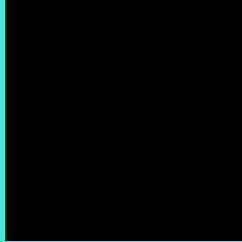
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

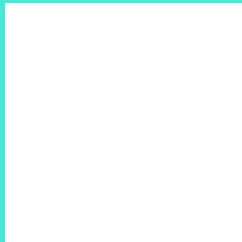
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.9732, 0.2395, 0.3500

Background



This preview shows how black text looks on a background with the Yxy color 63.9732, 0.2395, 0.3500.

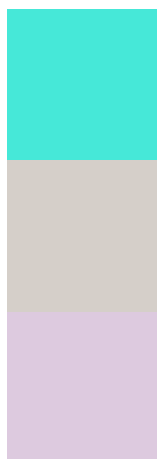


This preview shows how white text looks on a background with the Yxy color 63.9732, 0.2395, 0.3500.

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

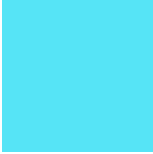
63.9732, 0.2395, 0.3500

Protanopia

62.9888, 0.3215, 0.3359

Deuteranopia

62.9409, 0.3123, 0.3059



Tritanopia

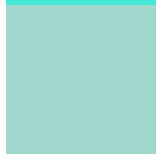
64.1191, 0.2303, 0.3063

Trichromacy



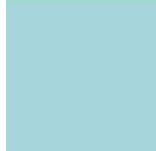
Original Color

63.9732, 0.2395, 0.3500



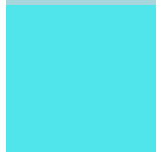
Protanomaly

61.1450, 0.2814, 0.3414



Deuteranomaly

60.8628, 0.2760, 0.3203



Tritanomaly

63.7423, 0.2333, 0.3211

Monochromacy



Original Color

63.9732, 0.2395, 0.3500



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

50.8663, 0.2742, 0.3370

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.9732, 0.2395, 0.3500 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(70, 232, 216)` looks like.

```
.text, #text, p{  
    color:rgb(70, 232, 216)  
}
```

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(70, 232, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 232, 216) }
```

Border

The CSS property to change the border of an element to Yxy 63.9732, 0.2395, 0.3500 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(70, 232, 216) }
```

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

```
.border{ border-color:rgb(70, 232, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 232, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 232, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 232, 216);  
box-shadow:4px 4px 4px 4px rgb(70, 232,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 63.9732, 0.2395, 0.3500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 232, 216) }
```

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

```
.background{ background-color: rgb(70, 232,  
216) }
```

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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