

Converting Colors

$Yxy(69.8897, 0.2400, 0.3589)$

Have a look what the booklet for
Yxy(69.8897, 0.2400, 0.3589)
contains.

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Color

Yxy(69.7087, 0.2400, 0.3586)

Conversions

Conversions Part 1

Format	Color
Hex	40F2DB
RGB	64, 242, 219
RGB Percent	25%, 95%, 86%
CMY	0.7491, 0.0510, 0.1411
CMYK	0.74, 0.00, 0.09, 0.05
HSL	172°, 87%, 60%
HSV	172°, 74%, 95%
XYZ	46.6539, 69.7087, 78.0286
YIQ	186.1560, -98.7050, -44.8890

Conversions

Conversions Part 2

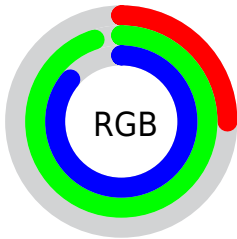
Format	Color
RYB	64, 159, 242
Decimal	4256475
CIELab	86.85, -48.92, -1.64
CIELCh	87, 48.948, 181.922
Yxy	69.7087, 0.2400, 0.3586
Android (android.graphics.Color)	4282446555 (0xFF40F2DB)
YUV	186.1560, 16.1921, -107.1308
Hunter-Lab	83.4917, -46.3675, 3.0337

Details

The Yxy color **69.7087, 0.2400, 0.3586** 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 **23.2310, 0.5372, 0.3107**, and the grayscale version is **49.1441, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0584, 0.2508, 0.3288**, and **37.3783, 0.2346, 0.3647** is the 20% darker color. If you saturate the color by 10%, you get **68.9056, 0.2372, 0.3632**, and if you desaturate by 10%, it is **70.8719, 0.2448, 0.3540**.

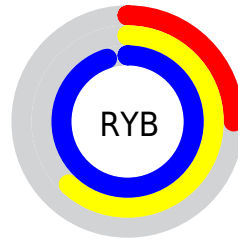
Distribution



Red (25%)

Green (95%)

Blue (86%)



Red (25%)

Yellow (62%)

Blue (95%)

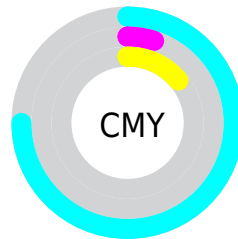


Cyan (74%)

Magenta (0%)

Yellow (9%)

Black (5%)



Cyan (75%)


Magenta (5%)

Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.7087, 0.2400, 0.3586 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 69.7087, 0.2400, 0.3586 by changing the saturation by 10% instead.


 69.7087, 0.2400,
0.3586


 69.7087, 0.2400,
0.3586

459.5265, 0.2735,
0.3451

 51.2891, 0.2324,
0.3616


 118.7932, 0.2516,
0.3540

 36.4387, 0.2232,
0.3653


 150.2270, 0.2561,
0.3522

 24.7732, 0.2115,
0.3698


 186.7675, 0.2600,
0.3506

 15.9082, 0.1965,
0.3757


 228.7993, 0.2634,
0.3492

 9.4592, 0.1764,
0.3833

276.7067, 0.2663,
0.3480

 5.0419, 0.1486,
0.3936

330.8741, 0.2690,

 2.2719, 0.1044,

0.3470

0.4096

391.6859, 0.2713,
0.3460

0.7588, 0.0000,
0.4464

0.0000, 0.0000,
0.0000

69.7087, 0.2400,
0.3586

69.7087, 0.2400,
0.3586

68.9056, 0.2372,
0.3632

70.8719, 0.2448,
0.3540


68.4053, 0.2362,
0.3677

72.4275, 0.2515,
0.3496


68.1973, 0.2363,
0.3706


74.4133, 0.2601,
0.3452


76.8603, 0.2702,
0.3410

 79.7968, 0.2818,
0.3371

 83.2487, 0.2944,
0.3335

 87.2401, 0.3078,
0.3301

 91.2986, 0.3200,
0.3271

 91.4901, 0.3181,
0.3241

Harmonies

Analogous

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



69.7087, 0.2893, 0.4139



69.7087, 0.2400, 0.3586



69.7087, 0.2114, 0.2989

Triad

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



69.7087, 0.2400, 0.3586



69.7087, 0.2700, 0.2396



69.7087, 0.4292, 0.3879

Complementary

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



69.7087, 0.2400, 0.3586



23.2310, 0.5372, 0.3107

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.



69.7087, 0.4256, 0.3423



69.7087, 0.2400, 0.3586



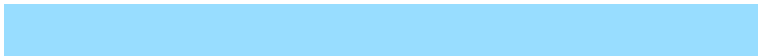
69.7087, 0.3282, 0.2613

Square

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



69.7087, 0.2400, 0.3586



69.7087, 0.2276, 0.2368



69.7087, 0.3872, 0.2976



69.7087, 0.3994, 0.4249

Rectangle

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



69.7087, 0.2400, 0.3586



69.7087, 0.2061, 0.2679



69.7087, 0.3872, 0.2976



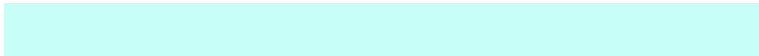
69.7087, 0.4321, 0.3731

Sweetspot

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



69.7114, 0.2400, 0.3586



90.4107, 0.2836, 0.3365



65.9374, 0.3101, 0.5576



19.1420, 0.2803, 0.3376



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.



69.7114, 0.2400, 0.3586



77.2979, 0.2365, 0.3653



38.8389, 0.2082, 0.2392



17.8918, 0.2998, 0.3321



36.6495, 0.2361, 0.3698



3.0586, 0.2344, 0.3639

Inverse Universe

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



23.2310, 0.5372, 0.3107



22.5409, 0.5957, 0.3157



35.0173, 0.5067, 0.3906



15.7920, 0.3273, 0.3260



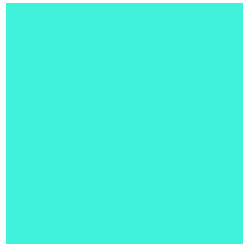
10.2057, 0.6235, 0.3208



0.8595, 0.5941, 0.3047

Previews

White Background



This preview shows how the Yxy color 69.7087, 0.2400, 0.3586 looks on a white background.

Color Contrast Check

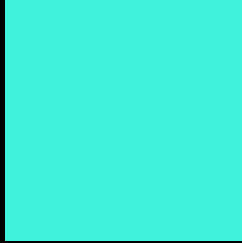
Large Text (above 18pt) WCAG AA × Fail

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 69.7087, 0.2400, 0.3586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

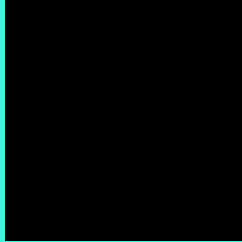
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.7087, 0.2400, 0.3586

Background



This preview shows how black text looks on a background with the Yxy color 69.7087, 0.2400, 0.3586.

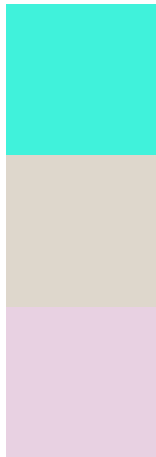


This preview shows how white text looks on a background with the Yxy color 69.7087, 0.2400, 0.3586.

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

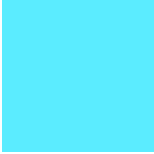
69.7087, 0.2400, 0.3586

Protanopia

68.4901, 0.3255, 0.3412

Deuteranopia

68.2477, 0.3180, 0.3109



Tritanopia

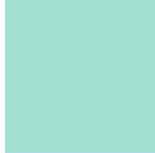
69.4351, 0.2306, 0.3058

Trichromacy



Original Color

69.7087, 0.2400, 0.3586



Protanomaly

66.4532, 0.2829, 0.3485



Deuteranomaly

65.6985, 0.2782, 0.3265



Tritanomaly

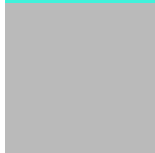
69.3092, 0.2336, 0.3238

Monochromacy



Original Color

69.7087, 0.2400, 0.3586



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

53.9706, 0.2732, 0.3396

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.7087, 0.2400, 0.3586 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, 242, 219)` looks like.

```
.text, #text, p{  
    color:rgb(64, 242, 219)  
}
```

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, 242, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 242, 219) }
```

Border

The CSS property to change the border of an element to Yxy 69.7087, 0.2400, 0.3586 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, 242, 219) }
```

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

```
.border{ border-color:rgb(64, 242, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 242, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 242, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 242, 219);  
box-shadow:4px 4px 4px 4px rgb(64, 242,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 69.7087, 0.2400, 0.3586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 242, 219) }
```

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

```
.background{ background-color: rgb(64, 242,  
219) }
```

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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