

Converting Colors

$Y_{xy}(65.3733, 0.2399, 0.3728)$

Have a look what the booklet for
Yxy(65.3733, 0.2399, 0.3728)
contains.

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Color

Yxy(65.3882, 0.2397, 0.3723)

Conversions

Conversions Part 1

Format	Color
Hex	26EDCD
RGB	38, 237, 205
RGB Percent	15%, 93%, 80%
CMY	0.8511, 0.0706, 0.1962
CMYK	0.84, 0.00, 0.14, 0.07
HSL	170°, 85%, 54%
HSV	170°, 84%, 93%
XYZ	42.0993, 65.3882, 68.1456
YIQ	173.8510, -108.3320, -52.1400

Conversions

Conversions Part 2

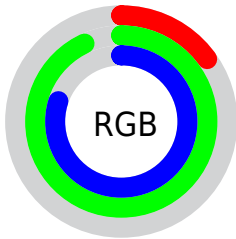
Format	Color
RYB	38, 146, 237
Decimal	2551245
CIELab	84.68, -52.84, 2.52
CIELCh	85, 52.902, 177.274
Yxy	65.3882, 0.2397, 0.3723
Android (android.graphics.Color)	4280741325 (0xFF26EDCD)
YUV	173.8510, 15.3565, -119.1413
Hunter-Lab	80.8630, -48.5787, 6.6386

Details

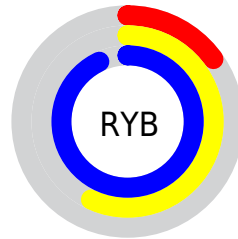
The Yxy color **65.3882, 0.2397, 0.3723** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **19.8315, 0.5717, 0.3087**, and the grayscale version is **42.2027, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8776, 0.2453, 0.3288**, and **34.8769, 0.2391, 0.3806** is the 20% darker color. If you saturate the color by 10%, you get **64.8929, 0.2391, 0.3781**, and if you desaturate by 10%, it is **66.1790, 0.2422, 0.3665**.

Distribution



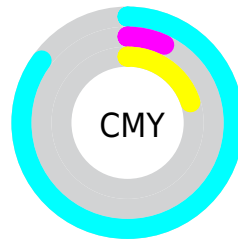
- Red (15%)
- Green (93%)
- Blue (80%)



- Red (15%)
- Yellow (57%)
- Blue (93%)



- Cyan (84%)
- Magenta (0%)
- Yellow (14%)
- Black (7%)





- Cyan (85%)
- Magenta (7%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.3882, 0.2397, 0.3723 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 65.3882, 0.2397, 0.3723 by changing the saturation by 10% instead.


 65.3882, 0.2397,
0.3723


 65.3882, 0.2397,
0.3723


444.1857, 0.2739,
0.3518

 47.7759, 0.2318,
0.3771


 112.6078, 0.2516,
0.3651


 33.6495, 0.2221,
0.3831


 142.9839, 0.2563,
0.3623


 22.6244, 0.2097,
0.3907


 178.3834, 0.2602,
0.3599

 14.3164, 0.1936,
0.4008

 219.1907, 0.2637,
0.3579

 8.3411, 0.1717,
0.4147

 265.7902, 0.2667,
0.3561

 4.3140, 0.1409,
0.4348

318.5662, 0.2694,

 1.8507, 0.0663,

0.3545

0.4811

377.9033, 0.2718,
0.3530

■ 0.5185, 0.0000,
0.5716

■ 0.0000, 0.0000,
0.0000

■ 65.3882, 0.2397,
0.3723

■ 65.3882, 0.2397,
0.3723

■ 64.8929, 0.2391,
0.3781


■ 66.1790, 0.2422,
0.3665


■ 64.6902, 0.2393,
0.3815


■ 67.3050, 0.2467,
0.3607


■ 68.8074, 0.2531,
0.3550


■ 70.7196, 0.2613,
0.3495

 73.0713, 0.2711,
0.3443

 75.8894, 0.2823,
0.3393

 79.1987, 0.2945,
0.3348

 83.0221, 0.3074,
0.3306

 87.3813, 0.3208,
0.3268

Harmonies

Analogous

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



65.3882, 0.2959, 0.4308



65.3882, 0.2397, 0.3723



65.3882, 0.2051, 0.3044

Triad

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



65.3882, 0.2397, 0.3723



65.3882, 0.2570, 0.2297



65.3882, 0.4429, 0.3848

Complementary

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



65.3882, 0.2397, 0.3723



19.8315, 0.5717, 0.3087

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.



65.3882, 0.4332, 0.3347



65.3882, 0.2397, 0.3723



65.3882, 0.3189, 0.2503

Square

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



65.3882, 0.2397, 0.3723



65.3882, 0.2147, 0.2299



65.3882, 0.3857, 0.2875



65.3882, 0.4144, 0.4285

Rectangle

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



65.3882, 0.2397, 0.3723



65.3882, 0.1967, 0.2681



65.3882, 0.3857, 0.2875



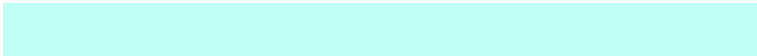
65.3882, 0.4443, 0.3683

Sweetspot

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



65.3907, 0.2397, 0.3723



89.2056, 0.2810, 0.3399



62.0570, 0.3097, 0.5780



18.8334, 0.2770, 0.3416



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.



65.3907, 0.2397, 0.3723



76.3734, 0.2394, 0.3817



35.5231, 0.2019, 0.2345



17.0778, 0.3003, 0.3328



35.3324, 0.2390, 0.3805



2.7856, 0.2368, 0.3726

Inverse Universe

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



19.8315, 0.5717, 0.3087



21.4203, 0.6206, 0.3192



28.1085, 0.5477, 0.3824



15.0936, 0.3268, 0.3252



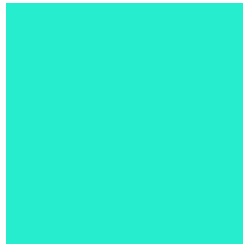
9.9192, 0.6167, 0.3171



0.7908, 0.5820, 0.2980

Previews

White Background



This preview shows how the Yxy color 65.3882, 0.2397, 0.3723 looks on a white background.

Color Contrast Check

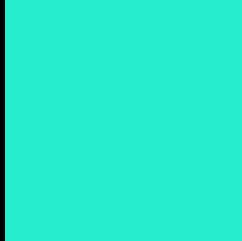
Large Text (above 18pt) WCAG AA × Fail

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 65.3882, 0.2397, 0.3723 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

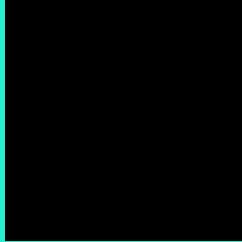
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

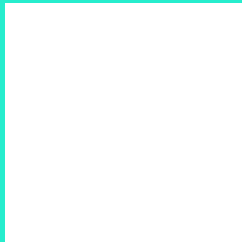
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.3882, 0.2397, 0.3723

Background



This preview shows how black text looks on a background with the Yxy color 65.3882, 0.2397, 0.3723.

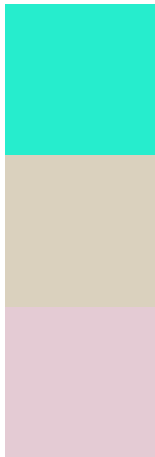


This preview shows how white text looks on a background with the Yxy color 65.3882, 0.2397, 0.3723.

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

65.3882, 0.2397, 0.3723

Protanopia

64.2241, 0.3331, 0.3507

Deuteranopia

63.9593, 0.3255, 0.3192



Tritanopia

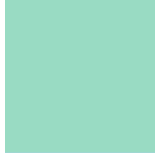
65.4078, 0.2268, 0.3063

Trichromacy



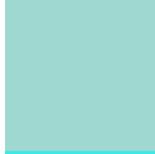
Original Color

65.3882, 0.2397, 0.3723



Protanomaly

61.3755, 0.2832, 0.3597



Deuteranomaly

60.5753, 0.2783, 0.3364



Tritanomaly

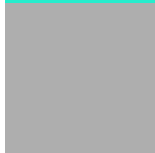
65.1217, 0.2308, 0.3288

Monochromacy



Original Color

65.3882, 0.2397, 0.3723



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

47.7953, 0.2692, 0.3460

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.3882, 0.2397, 0.3723 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(38, 237, 205)` looks like.

```
.text, #text, p{  
    color:rgb(38, 237, 205)  
}
```

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(38, 237, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 237, 205) }
```

Border

The CSS property to change the border of an element to Yxy 65.3882, 0.2397, 0.3723 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(38, 237, 205) }
```

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

```
.border{ border-color:rgb(38, 237, 205) }
```

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

Here you see how a box with a 4 pixel rgb(38, 237, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 237, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 237, 205);  
box-shadow:4px 4px 4px 4px rgb(38, 237,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 65.3882, 0.2397, 0.3723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 237, 205) }
```

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

```
.background{ background-color: rgb(38, 237,  
205) }
```

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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