

Converting Colors

$Y_{xy}(66.2770, 0.2422, 0.3573)$

Have a look what the booklet for
Yxy(66.2770, 0.2422, 0.3573)
contains.

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Color

Yxy(66.2624, 0.2424, 0.3578)

Conversions

Conversions Part 1

Format	Color
Hex	49ECD6
RGB	73, 236, 214
RGB Percent	29%, 93%, 84%
CMY	0.7130, 0.0745, 0.1608
CMYK	0.69, 0.00, 0.09, 0.07
HSL	172°, 81%, 61%
HSV	172°, 69%, 93%
XYZ	44.8910, 66.2624, 74.0405
YIQ	184.7550, -90.0860, -41.3980

Conversions

Conversions Part 2

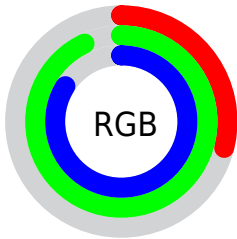
Format	Color
RYB	73, 160, 236
Decimal	4844758
CIELab	85.13, -46.52, -1.51
CIElCh	85, 46.547, 181.860
Yxy	66.2624, 0.2424, 0.3578
Android (android.graphics.Color)	4283034838 (0xFF49ECD6)
YUV	184.7550, 14.4178, -98.0091
Hunter-Lab	81.4017, -44.0147, 3.0528

Details

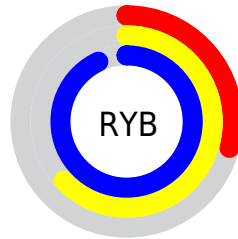
The Yxy color **66.2624, 0.2424, 0.3578** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **23.4519, 0.5149, 0.3092**, and the grayscale version is **48.3592, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4027, 0.2524, 0.3288**, and **34.7434, 0.2345, 0.3640** is the 20% darker color. If you saturate the color by 10%, you get **65.3474, 0.2387, 0.3626**, and if you desaturate by 10%, it is **67.5355, 0.2480, 0.3530**.

Distribution



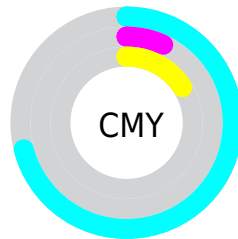
- Red (29%)
- Green (93%)
- Blue (84%)



- Red (29%)
- Yellow (63%)
- Blue (93%)



- Cyan (69%)
- Magenta (0%)
- Yellow (9%)
- Black (7%)





- Cyan (71%)
- Magenta (7%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.2624, 0.2424, 0.3578 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 66.2624, 0.2424, 0.3578 by changing the saturation by 10% instead.


 66.2624, 0.2424,
0.3578


 66.2624, 0.2424,
0.3578


447.3147, 0.2751,
0.3446


 48.4854, 0.2349,
0.3608


 113.8629, 0.2537,
0.3532

 34.2115, 0.2257,
0.3645


 144.4552, 0.2582,
0.3514

 23.0561, 0.2141,
0.3690


 180.0880, 0.2620,
0.3499

 14.6349, 0.1990,
0.3750

 221.1459, 0.2653,
0.3486

 8.5636, 0.1786,
0.3828

268.0131, 0.2682,
0.3474

 4.4576, 0.1501,
0.3935

321.0740, 0.2707,

 1.9327, 0.0976,

0.3463

0.4133

380.7131, 0.2730,
0.3454

■ 0.5679, 0.0000,
0.4396

■ 0.0000, 0.0000,
0.0000

■ 66.2624, 0.2424,
0.3578

■ 66.2624, 0.2424,
0.3578

■ 65.3474, 0.2387,
0.3626

■ 67.5355, 0.2480,
0.3530

■ 64.7409, 0.2370,
0.3674


■ 69.1943, 0.2556,
0.3484


■ 64.3818, 0.2368,
0.3721


■ 71.2726, 0.2649,
0.3439

■ 64.3508, 0.2368,
0.3726


■ 73.7983, 0.2756,
0.3397

 76.7968, 0.2876,
0.3357

 80.2917, 0.3006,
0.3320

 84.3050, 0.3141,
0.3287

 87.5076, 0.3233,
0.3256

 87.6982, 0.3213,
0.3225

Harmonies

Analogous

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



66.2624, 0.2903, 0.4109



66.2624, 0.2424, 0.3578



66.2624, 0.2145, 0.3002

Triad

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



66.2624, 0.2424, 0.3578



66.2624, 0.2713, 0.2421



66.2624, 0.4256, 0.3864

Complementary

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



66.2624, 0.2424, 0.3578



23.4519, 0.5149, 0.3092

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.



66.2624, 0.4218, 0.3420



66.2624, 0.2424, 0.3578



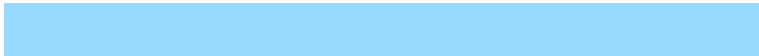
66.2624, 0.3277, 0.2632

Square

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



66.2624, 0.2424, 0.3578



66.2624, 0.2301, 0.2396



66.2624, 0.3847, 0.2986



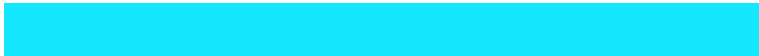
66.2624, 0.3969, 0.4220

Rectangle

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



66.2624, 0.2424, 0.3578



66.2624, 0.2092, 0.2700



66.2624, 0.3847, 0.2986



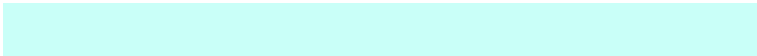
66.2624, 0.4283, 0.3720

Sweetspot

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



66.2649, 0.2424, 0.3578



90.7628, 0.2850, 0.3365



63.0448, 0.3125, 0.5442



19.2097, 0.2816, 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.



66.2649, 0.2424, 0.3578



77.5546, 0.2377, 0.3647



39.7251, 0.2140, 0.2499



17.0848, 0.2999, 0.3322



35.4885, 0.2366, 0.3718



2.7964, 0.2348, 0.3652

Inverse Universe

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



23.4519, 0.5149, 0.3092



23.4804, 0.5761, 0.3125



34.3267, 0.4934, 0.3866



15.0872, 0.3272, 0.3258



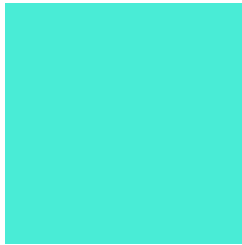
9.8977, 0.6221, 0.3201



0.7877, 0.5903, 0.3026

Previews

White Background



This preview shows how the Yxy color 66.2624, 0.2424, 0.3578 looks on a white background.

Color Contrast Check

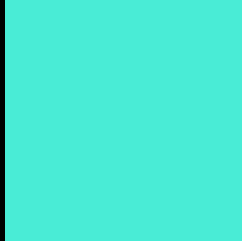
Large Text (above 18pt) WCAG AA × Fail

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 66.2624, 0.2424, 0.3578 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 66.2624, 0.2424, 0.3578

Background



This preview shows how black text looks on a background with the Yxy color 66.2624, 0.2424, 0.3578.

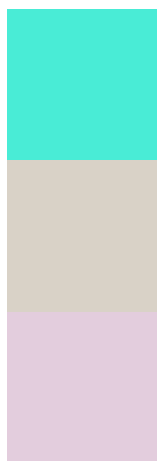


This preview shows how white text looks on a background with the Yxy color 66.2624, 0.2424, 0.3578.

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

66.2624, 0.2424, 0.3578

Protanopia

64.9684, 0.3257, 0.3415

Deuteranopia

65.2140, 0.3181, 0.3116



Tritanopia

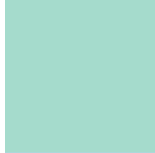
66.2781, 0.2311, 0.3054

Trichromacy



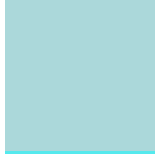
Original Color

66.2624, 0.2424, 0.3578



Protanomaly

63.0220, 0.2854, 0.3475



Deuteranomaly

62.8316, 0.2806, 0.3265



Tritanomaly

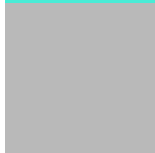
66.3235, 0.2351, 0.3237

Monochromacy



Original Color

66.2624, 0.2424, 0.3578



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

53.1005, 0.2754, 0.3396

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.2624, 0.2424, 0.3578 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(73, 236, 214)` looks like.

```
.text, #text, p{  
    color:rgb(73, 236, 214)  
}
```

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(73, 236, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 236, 214) }
```

Border

The CSS property to change the border of an element to Yxy 66.2624, 0.2424, 0.3578 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(73, 236, 214) }
```

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

```
.border{ border-color:rgb(73, 236, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 236, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 236, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 236, 214);  
box-shadow:4px 4px 4px 4px rgb(73, 236,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 66.2624, 0.2424, 0.3578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 236, 214) }
```

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

```
.background{ background-color: rgb(73, 236,  
214) }
```

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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