

Converting Colors

$Y_{xy}(66.2276, 0.2575, 0.3415)$

Have a look what the booklet for
Yxy(66.2276, 0.2575, 0.3415)
contains.

Yxy(66.2730, 0.2574, 0.3414)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(66.2730, 0.2574, 0.3414)

Conversions

Conversions Part 1

Format	Color
Hex	7FE6DC
RGB	127, 230, 220
RGB Percent	50%, 90%, 86%
CMY	0.5020, 0.0980, 0.1372
CMYK	0.45, 0.00, 0.04, 0.10
HSL	174°, 67%, 70%
HSV	174°, 45%, 90%
XYZ	49.9668, 66.2730, 77.8815
YIQ	198.0630, -58.1780, -24.9460

Conversions

Conversions Part 2

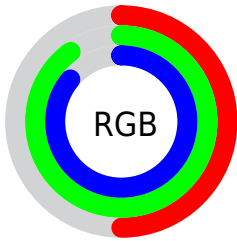
Format	Color
RYB	127, 181, 230
Decimal	8382172
CIELab	85.14, -32.39, -4.49
CIELCh	85, 32.701, 187.895
Yxy	66.2730, 0.2574, 0.3414
Android (android.graphics.Color)	4286572252 (0xFF7FE6DC)
YUV	198.0630, 10.8149, -62.3223
Hunter-Lab	81.4082, -32.9045, 0.2643

Details

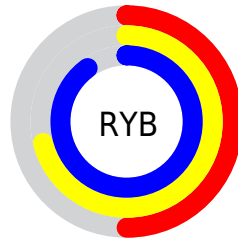
The Yxy color **66.2730, 0.2574, 0.3414** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.8027, 0.4206, 0.3178**, and the grayscale version is **56.4709, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0543, 0.2726, 0.3289**, and **34.2177, 0.2445, 0.3441** is the 20% darker color. If you saturate the color by 10%, you get **64.5896, 0.2488, 0.3446**, and if you desaturate by 10%, it is **68.3662, 0.2677, 0.3383**.

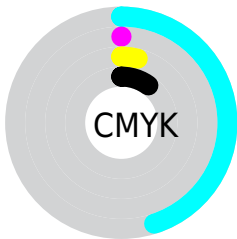
Distribution



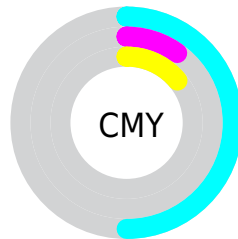
- Red (50%)
- Green (90%)
- Blue (86%)



- Red (50%)
- Yellow (71%)
- Blue (90%)



- Cyan (45%)
- Magenta (0%)
- Yellow (4%)
- Black (10%)





- Cyan (50%)
- Magenta (10%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.2730, 0.2574, 0.3414 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 66.2730, 0.2574, 0.3414 by changing the saturation by 10% instead.


 66.2730, 0.2574,
0.3414


 66.2730, 0.2574,
0.3414


447.3526, 0.2831,
0.3359


 48.4941, 0.2515,
0.3426


 113.8781, 0.2663,
0.3396

 34.2183, 0.2442,
0.3440


 144.4730, 0.2698,
0.3388

 23.0614, 0.2350,
0.3457


 180.1087, 0.2728,
0.3382

 14.6388, 0.2230,
0.3478

221.1695, 0.2754,
0.3376

 8.5663, 0.2067,
0.3504

268.0400, 0.2777,
0.3371

 4.4594, 0.1835,
0.3536

321.1044, 0.2797,

 1.9337, 0.1481,

0.3367

0.3571

380.7471, 0.2815,
0.3363

■ 0.5685, 0.0000,
0.3786

■ 0.0000, 0.0000,
0.0000

■ 66.2730, 0.2574,
0.3414

■ 66.2730, 0.2574,
0.3414

■ 64.5896, 0.2488,
0.3446

■ 68.3662, 0.2677,
0.3383

■ 63.2804, 0.2421,
0.3479


■ 70.8867, 0.2794,
0.3354


■ 62.3166, 0.2373,
0.3513

■ 73.8600, 0.2922,
0.3326


■ 61.6620, 0.2344,
0.3546


■ 77.3077, 0.3059,
0.3301

 61.2719, 0.2333,
0.3579


 81.2499, 0.3202,
0.3278

 61.1367, 0.2332,
0.3597

 83.7626, 0.3278,
0.3257

 83.8911, 0.3263,
0.3235

 84.0212, 0.3249,
0.3213

 84.1530, 0.3234,
0.3191

Harmonies

Analogous

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



66.2730, 0.2901, 0.3788



66.2730, 0.2574, 0.3414



66.2730, 0.2397, 0.3029

Triad

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



66.2730, 0.2574, 0.3414



66.2730, 0.2913, 0.2677



66.2730, 0.3903, 0.3777

Complementary

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



66.2730, 0.2574, 0.3414



33.8027, 0.4206, 0.3178

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.



66.2730, 0.3917, 0.3468



66.2730, 0.2574, 0.3414



66.2730, 0.3323, 0.2858

Square

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



66.2730, 0.2574, 0.3414



66.2730, 0.2582, 0.2635



66.2730, 0.3700, 0.3139



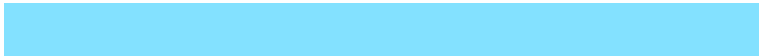
66.2730, 0.3672, 0.3985

Rectangle

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



66.2730, 0.2574, 0.3414



66.2730, 0.2379, 0.2828



66.2730, 0.3700, 0.3139



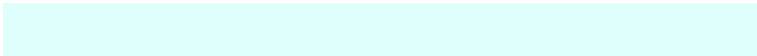
66.2730, 0.3934, 0.3681

Sweetspot

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



66.2756, 0.2574, 0.3414



94.0407, 0.2945, 0.3322



63.4708, 0.3123, 0.4665



19.9343, 0.2915, 0.3328



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.



66.2756, 0.2574, 0.3414



81.7127, 0.2492, 0.3445



46.5312, 0.2431, 0.2747



16.3111, 0.2994, 0.3313



34.6204, 0.2331, 0.3591



2.5654, 0.2318, 0.3543

Inverse Universe

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



33.8027, 0.4206, 0.3178



35.6817, 0.4580, 0.3160



46.4313, 0.4096, 0.3766



14.3906, 0.3277, 0.3268



9.5657, 0.6286, 0.3237



0.7146, 0.6018, 0.3089

Previews

White Background



This preview shows how the Yxy color 66.2730, 0.2574, 0.3414 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 66.2730, 0.2574, 0.3414 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

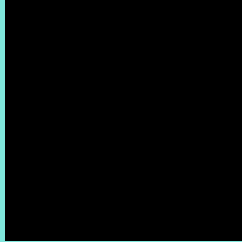
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.2730, 0.2574, 0.3414

Background



This preview shows how black text looks on a background with the Yxy color 66.2730, 0.2574, 0.3414.

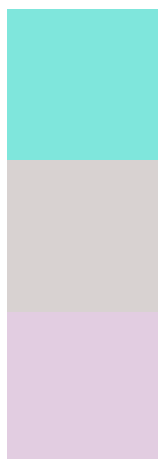


This preview shows how white text looks on a background with the Yxy color 66.2730, 0.2574, 0.3414.

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

66.2730, 0.2574, 0.3414

Protanopia

65.2956, 0.3179, 0.3301

Deuteranopia

65.2676, 0.3145, 0.3073



Tritanopia

66.0536, 0.2479, 0.3060

Trichromacy



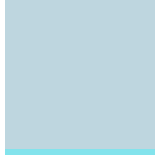
Original Color

66.2730, 0.2574, 0.3414



Protanomaly

64.6202, 0.2922, 0.3337



Deuteranomaly

64.3680, 0.2899, 0.3185



Tritanomaly

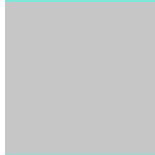
65.8196, 0.2509, 0.3178

Monochromacy



Original Color

66.2730, 0.2574, 0.3414



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

59.3201, 0.2882, 0.3339

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.2730, 0.2574, 0.3414 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(127, 230, 220)` looks like.

```
.text, #text, p{  
    color:rgb(127, 230, 220)  
}
```

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(127, 230, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 230, 220) }
```

Border

The CSS property to change the border of an element to Yxy 66.2730, 0.2574, 0.3414 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(127, 230, 220) }
```

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

```
.border{ border-color:rgb(127, 230, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 230, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 230, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 230, 220); box-shadow:4px 4px 4px 4px rgb(127, 230, 220) }
```


Background

The CSS property to change the background color of an element to Yxy 66.2730, 0.2574, 0.3414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 230, 220) }
```

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

```
.background{ background-color: rgb(127,  
230, 220) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor