

Converting Colors

$Yxy(73.2518, 0.2989, 0.3314)$

Have a look what the booklet for
Yxy(73.2518, 0.2989, 0.3314)
contains.

Yxy(73.3535, 0.2990, 0.3312)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(73.3535, 0.2990, 0.3312)

Conversions

Conversions Part 1

Format	Color
Hex	CDE3E1
RGB	205, 227, 225
RGB Percent	80%, 89%, 88%
CMY	0.1964, 0.1097, 0.1176
CMYK	0.10, 0.00, 0.01, 0.11
HSL	175°, 28%, 85%
HSV	175°, 10%, 89%
XYZ	66.2219, 73.3535, 81.9025
YIQ	220.1940, -12.4700, -5.2860

Conversions

Conversions Part 2

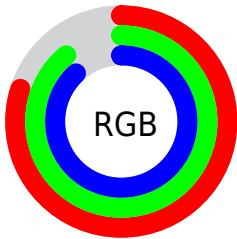
Format	Color
R _Y B	205, 217, 227
Decimal	13493217
CIE Lab	88.62, -7.67, -1.52
CIE LCh	89, 7.821, 191.190
Yxy	73.3535, 0.2990, 0.3312
Android (android.graphics.Color)	4291683297 (0xFFCDE3E1)
YUV	220.1940, 2.3694, -13.3251
Hunter-Lab	85.6467, -11.8656, 3.2546

Details

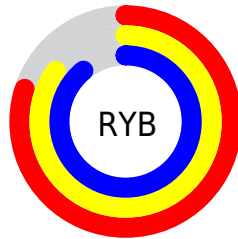
The Yxy color **73.3535, 0.2990, 0.3312** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.4668, 0.3283, 0.3268**, and the grayscale version is **71.6965, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.9866, 0.2960, 0.3319** is the 20% darker color. If you saturate the color by 10%, you get **70.2475, 0.2856, 0.3337**, and if you desaturate by 10%, it is **76.9354, 0.3131, 0.3289**.

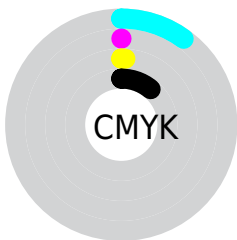
Distribution



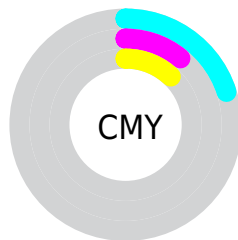
- Red (80%)
- Green (89%)
- Blue (88%)



- Red (80%)
- Yellow (85%)
- Blue (89%)



- Cyan (10%)
- Magenta (0%)
- Yellow (1%)
- Black (11%)



- Cyan (20%)
- Magenta (11%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.3535, 0.2990, 0.3312 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 73.3535, 0.2990, 0.3312 by changing the saturation by 10% instead.

■ 73.3535, 0.2990,
0.3312

■ 73.3535, 0.2990,
0.3312

472.2391, 0.3053,
0.3302

■ 54.2651, 0.2976,
0.3314

123.9789, 0.3012,
0.3309

■ 38.8136, 0.2958,
0.3317

156.2847, 0.3020,
0.3307

■ 26.6148, 0.2935,
0.3320

193.7650, 0.3028,
0.3306

■ 17.2841, 0.2906,
0.3324

236.8043, 0.3034,
0.3305

■ 10.4373, 0.2866,
0.3330

285.7870, 0.3040,
0.3304

■ 5.6898, 0.2808,
0.3338

341.0974, 0.3045,

■ 2.6574, 0.2718,

0.3304

403.1200, 0.3049,
0.3303

0.3350

0.9556, 0.2541,
0.3375

0.0000, 0.0000,
0.0000

73.3535, 0.2990,
0.3312

73.3535, 0.2990,
0.3312

70.2475, 0.2856,
0.3337

76.9354, 0.3131,
0.3289

67.5881, 0.2732,
0.3363


81.0029, 0.3276,
0.3269


65.3568, 0.2622,
0.3392

81.9938, 0.3295,
0.3249


63.5302, 0.2527,
0.3422

82.1120, 0.3282,
0.3228

 62.0829, 0.2450,
0.3452

 82.2317, 0.3268,
0.3208


 60.9864, 0.2391,
0.3484


 82.3528, 0.3254,
0.3187

 60.2082, 0.2353,
0.3515

 82.4752, 0.3240,
0.3167

 59.7097, 0.2332,
0.3547

 82.5991, 0.3226,
0.3147

 59.4259, 0.2327,
0.3578

 82.7244, 0.3213,
0.3127

Harmonies

Analogous

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



73.3535, 0.3068, 0.3392



73.3535, 0.2990, 0.3312



73.3535, 0.2949, 0.3227

Triad

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



73.3535, 0.2990, 0.3312



73.3535, 0.3090, 0.3142



73.3535, 0.3302, 0.3417

Complementary

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



73.3535, 0.2990, 0.3312



64.4668, 0.3283, 0.3268

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.



73.3535, 0.3309, 0.3349



73.3535, 0.2990, 0.3312



73.3535, 0.3185, 0.3192

Square

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



73.3535, 0.2990, 0.3312



73.3535, 0.3006, 0.3131



73.3535, 0.3266, 0.3266



73.3535, 0.3248, 0.3452

Rectangle

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



73.3535, 0.2990, 0.3312



73.3535, 0.2947, 0.3180



73.3535, 0.3266, 0.3266



73.3535, 0.3310, 0.3397

Sweetspot

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



73.3566, 0.2990, 0.3312



98.5328, 0.3084, 0.3297



72.6410, 0.3131, 0.3539



21.0082, 0.3073, 0.3298



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.



73.3566, 0.2990, 0.3312



94.4722, 0.2958, 0.3318



68.7561, 0.2977, 0.3191



16.3125, 0.2994, 0.3311



34.6546, 0.2326, 0.3574



2.5675, 0.2313, 0.3528

Inverse Universe

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



64.4668, 0.3283, 0.3268



80.3437, 0.3326, 0.3263



68.7148, 0.3287, 0.3387



14.3893, 0.3278, 0.3269



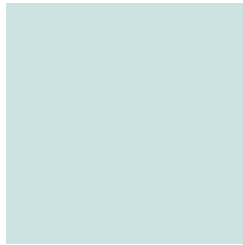
9.5627, 0.6294, 0.3241



0.7140, 0.6038, 0.3100

Previews

White Background



This preview shows how the Yxy color 73.3535, 0.2990, 0.3312 looks on a white background.

Color Contrast Check

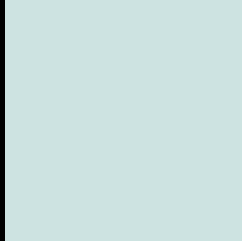
Large Text (above 18pt) WCAG AA × Fail

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 73.3535, 0.2990, 0.3312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

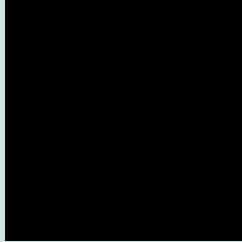
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

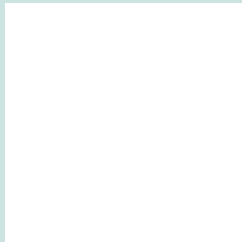
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 73.3535, 0.2990, 0.3312

Background



This preview shows how black text looks on a background with the Yxy color 73.3535, 0.2990, 0.3312.

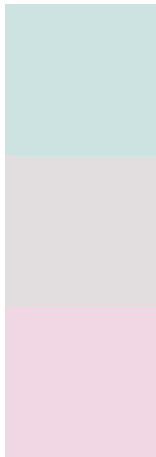


This preview shows how white text looks on a background with the Yxy color 73.3535, 0.2990, 0.3312.

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

73.3535, 0.2990, 0.3312

Protanopia

73.1556, 0.3156, 0.3279

Deuteranopia

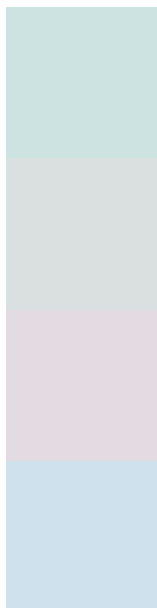
72.8477, 0.3235, 0.3166



Tritanopia

73.1320, 0.2907, 0.3095

Trichromacy



Original Color

73.3535, 0.2990, 0.3312

Protanomaly

73.0085, 0.3092, 0.3290

Deuteranomaly

72.6480, 0.3145, 0.3215

Tritanomaly

73.1720, 0.2937, 0.3169

Monochromacy



Original Color

73.3535, 0.2990, 0.3312

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

72.4964, 0.3078, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.3535, 0.2990, 0.3312 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(205, 227, 225)` looks like.

```
.text, #text, p{  
    color:rgb(205, 227, 225)  
}
```

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(205, 227, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 227, 225) }
```

Border

The CSS property to change the border of an element to Yxy 73.3535, 0.2990, 0.3312 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(205, 227, 225) }
```

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

```
.border{ border-color:rgb(205, 227, 225) }
```

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

Here you see how a box with a 4 pixel rgb(205, 227, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 227, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 227, 225);  
box-shadow:4px 4px 4px 4px rgb(205, 227,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 73.3535, 0.2990, 0.3312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 227, 225) }
```

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

```
.background{ background-color: rgb(205,  
227, 225) }
```

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