

Converting Colors

Yxy(64.2662, 0.2987, 0.3314)

Have a look what the booklet for
Yxy(64.2662, 0.2987, 0.3314)
contains.

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Color

Yxy(64.1841, 0.2990, 0.3313)

Conversions

Conversions Part 1

Format	Color
Hex	C1D6D4
RGB	193, 214, 212
RGB Percent	76%, 84%, 83%
CMY	0.2431, 0.1608, 0.1686
CMYK	0.10, 0.00, 0.01, 0.16
HSL	174°, 20%, 80%
HSV	174°, 10%, 84%
XYZ	57.9265, 64.1841, 71.6235
YIQ	207.4930, -11.8740, -5.0740

Conversions

Conversions Part 2

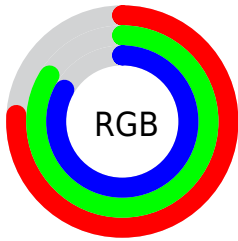
Format	Color
RYB	193, 204, 214
Decimal	12703444
CIELab	84.06, -7.38, -1.42
CIElCh	84, 7.516, 190.878
Yxy	64.1841, 0.2990, 0.3313
Android (android.graphics.Color)	4290893524 (0xFFC1D6D4)
YUV	207.4930, 2.2220, -12.7104
Hunter-Lab	80.1150, -11.1382, 3.0747

Details

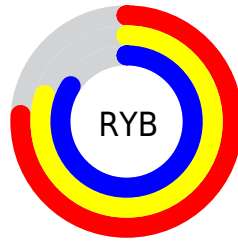
The Yxy color **64.1841, 0.2990, 0.3313** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.3868, 0.3283, 0.3267**, and the grayscale version is **62.7262, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0640, 0.3096, 0.3290**, and **32.7196, 0.2957, 0.3321** is the 20% darker color. If you saturate the color by 10%, you get **61.4722, 0.2857, 0.3339**, and if you desaturate by 10%, it is **67.3097, 0.3130, 0.3290**.

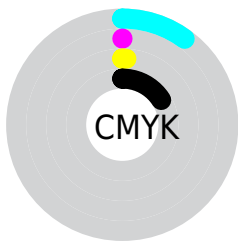
Distribution



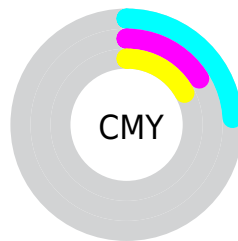
- Red (76%)
- Green (84%)
- Blue (83%)



- Red (76%)
- Yellow (80%)
- Blue (84%)



- Cyan (10%)
- Magenta (0%)
- Yellow (1%)
- Black (16%)



- Cyan (24%)
- Magenta (16%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.1841, 0.2990, 0.3313 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 64.1841, 0.2990, 0.3313 by changing the saturation by 10% instead.

■ 64.1841, 0.2990,
0.3313

■ 64.1841, 0.2990,
0.3313

439.8542, 0.3055,
0.3302

■ 46.7998, 0.2975,
0.3315

■ 110.8760, 0.3013,
0.3309

■ 32.8774, 0.2956,
0.3318

140.9524, 0.3022,
0.3308

■ 22.0326, 0.2932,
0.3322

176.0284, 0.3029,
0.3307

■ 13.8808, 0.2899,
0.3327

216.4882, 0.3036,
0.3306

■ 8.0378, 0.2854,
0.3334

262.7162, 0.3041,
0.3305

■ 4.1192, 0.2787,
0.3343

315.0970, 0.3046,

■ 1.7404, 0.2677,

0.3304

374.0148, 0.3051,
0.3303

0.3358

0.4496, 0.1923,
0.3498

0.0000, 0.0000,
0.0000

64.1841, 0.2990,
0.3313

64.1841, 0.2990,
0.3313

61.4722, 0.2857,
0.3339

67.3097, 0.3130,
0.3290

59.1485, 0.2734,
0.3366

70.8571, 0.3274,
0.3268

57.1969, 0.2624,
0.3396

74.4208, 0.3404,
0.3249

55.5974, 0.2530,
0.3427

74.5282, 0.3389,
0.3229

■ 54.3278, 0.2453,
0.3459

■ 74.6370, 0.3374,
0.3208

■ 53.3635, 0.2395,
0.3491

■ 74.7470, 0.3359,
0.3188

■ 52.6765, 0.2356,
0.3524

■ 74.8584, 0.3345,
0.3167

■ 52.2334, 0.2336,
0.3557

■ 74.9711, 0.3330,
0.3147

■ 51.9756, 0.2331,
0.3589

■ 75.0852, 0.3316,
0.3127

Harmonies

Analogous

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



64.1841, 0.3068, 0.3393



64.1841, 0.2990, 0.3313



64.1841, 0.2948, 0.3228

Triad

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



64.1841, 0.2990, 0.3313



64.1841, 0.3089, 0.3141



64.1841, 0.3304, 0.3417

Complementary

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



64.1841, 0.2990, 0.3313



56.3868, 0.3283, 0.3267

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.



64.1841, 0.3310, 0.3348



64.1841, 0.2990, 0.3313



64.1841, 0.3185, 0.3190

Square

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



64.1841, 0.2990, 0.3313



64.1841, 0.3005, 0.3130



64.1841, 0.3266, 0.3266



64.1841, 0.3250, 0.3453

Rectangle

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



64.1841, 0.2990, 0.3313



64.1841, 0.2946, 0.3180



64.1841, 0.3266, 0.3266



64.1841, 0.3311, 0.3397

Sweetspot

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



64.1868, 0.2990, 0.3313



98.5310, 0.3084, 0.3297



63.5622, 0.3131, 0.3540



21.0077, 0.3073, 0.3299



0.0000, 0.0000, 0.0000



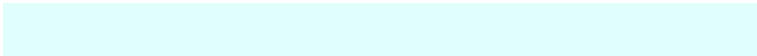
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.1868, 0.2990, 0.3313



94.4650, 0.2958, 0.3319



60.1497, 0.2976, 0.3190



14.0865, 0.2995, 0.3312



31.4217, 0.2329, 0.3585



1.9013, 0.2314, 0.3529

Inverse Universe

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



56.3868, 0.3283, 0.3267



80.3500, 0.3325, 0.3262



60.1134, 0.3288, 0.3388



12.4398, 0.3276, 0.3268



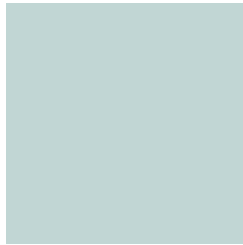
8.6793, 0.6284, 0.3236



0.5302, 0.5974, 0.3065

Previews

White Background



This preview shows how the Yxy color 64.1841, 0.2990, 0.3313 looks on a white background.

Color Contrast Check

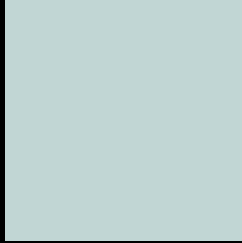
Large Text (above 18pt) WCAG AA × Fail

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 64.1841, 0.2990, 0.3313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

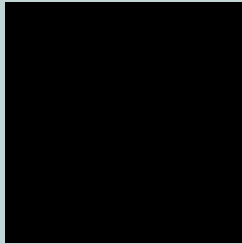
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

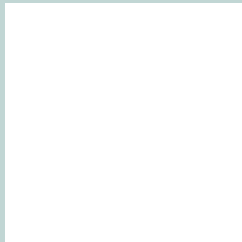
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.1841, 0.2990, 0.3313

Background



This preview shows how black text looks on a background with the Yxy color 64.1841, 0.2990, 0.3313.



This preview shows how white text looks on a background with the Yxy color 64.1841, 0.2990, 0.3313.

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

64.1841, 0.2990, 0.3313

Protanopia

63.8613, 0.3158, 0.3279

Deuteranopia

63.8978, 0.3233, 0.3170



Tritanopia

63.9257, 0.2908, 0.3095

Trichromacy



Original Color

64.1841, 0.2990, 0.3313

Protanomaly

63.8681, 0.3098, 0.3290

Deuteranomaly

63.8768, 0.3145, 0.3223

Tritanomaly

63.9630, 0.2939, 0.3174

Monochromacy



Original Color

64.1841, 0.2990, 0.3313

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

63.2532, 0.3075, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.1841, 0.2990, 0.3313 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(193, 214, 212)` looks like.

```
.text, #text, p{  
    color:rgb(193, 214, 212)  
}
```

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(193, 214, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 214, 212) }
```

Border

The CSS property to change the border of an element to Yxy 64.1841, 0.2990, 0.3313 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(193, 214, 212) }
```

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

```
.border{ border-color:rgb(193, 214, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 214, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 214, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 214, 212);  
box-shadow:4px 4px 4px 4px rgb(193, 214,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 64.1841, 0.2990, 0.3313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 214, 212) }
```

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

```
.background{ background-color: rgb(193,  
214, 212) }
```

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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