

Converting Colors

$Yxy(68.5265, 0.2942, 0.3308)$

Have a look what the booklet for
Yxy(68.5265, 0.2942, 0.3308)
contains.

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Color

Yxy(68.7473, 0.2941, 0.3312)

Conversions

Conversions Part 1

Format	Color
Hex	C1DEDC
RGB	193, 222, 220
RGB Percent	76%, 87%, 86%
CMY	0.2429, 0.1295, 0.1372
CMYK	0.13, 0.00, 0.01, 0.13
HSL	176°, 30%, 81%
HSV	176°, 13%, 87%
XYZ	61.0464, 68.7473, 77.7766
YIQ	213.1010, -16.6420, -6.7700

Conversions

Conversions Part 2

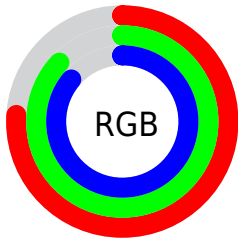
Format	Color
R _{YB}	193, 208, 222
Decimal	12705500
CIE Lab	86.38, -9.89, -2.27
CIE LCh	86, 10.147, 192.915
Yxy	68.7473, 0.2941, 0.3312
Android (android.graphics.Color)	4290895580 (0xFFC1DEDC)
YUV	213.1010, 3.4012, -17.6286
Hunter-Lab	82.9140, -13.6767, 2.4234

Details

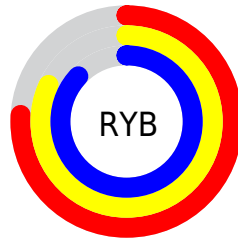
The Yxy color **68.7473, 0.2941, 0.3312** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57.6388, 0.3349, 0.3268**, and the grayscale version is **66.6054, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0640, 0.3096, 0.3290**, and **35.8430, 0.2895, 0.3320** is the 20% darker color. If you saturate the color by 10%, you get **65.9675, 0.2808, 0.3331**, and if you desaturate by 10%, it is **71.9715, 0.3083, 0.3295**.

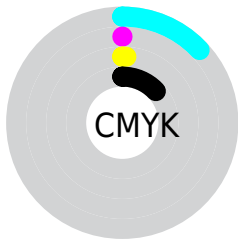
Distribution



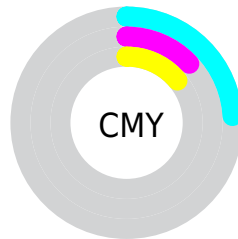
- Red (76%)
- Green (87%)
- Blue (86%)



- Red (76%)
- Yellow (82%)
- Blue (87%)



- Cyan (13%)
- Magenta (0%)
- Yellow (1%)
- Black (13%)



- Cyan (24%)
- Magenta (13%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.7473, 0.2941, 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 68.7473, 0.2941, 0.3312 by changing the saturation by 10% instead.

■ 68.7473, 0.2941,
0.3312

■ 68.7473, 0.2941,
0.3312

■ 456.1392, 0.3028,
0.3302

■ 50.5059, 0.2921,
0.3314

■ 117.4206, 0.2971,
0.3309

■ 35.8156, 0.2896,
0.3317

■ 148.6213, 0.2983,
0.3307

■ 24.2918, 0.2865,
0.3320

■ 184.9105, 0.2993,
0.3306

■ 15.5502, 0.2823,
0.3324

■ 226.6728, 0.3002,
0.3305

■ 9.2064, 0.2766,
0.3329

■ 274.2924, 0.3009,
0.3304

■ 4.8761, 0.2683,
0.3336

■ 328.1537, 0.3016,

■ 2.1747, 0.2550,

0.3304

388.6412, 0.3022,
0.3303

0.3345

0.7062, 0.2083,
0.3422

0.0000, 0.0000,
0.0000

68.7473, 0.2941,
0.3312

68.7473, 0.2941,
0.3312

65.9675, 0.2808,
0.3331

71.9715, 0.3083,
0.3295

63.6040, 0.2686,
0.3351


75.6497, 0.3230,
0.3279


61.6389, 0.2578,
0.3372

78.9068, 0.3347,
0.3265

60.0494, 0.2487,
0.3394


78.9893, 0.3337,
0.3250


 58.8104, 0.2414,
0.3417


 79.0724, 0.3326,
0.3235

 57.8941, 0.2360,
0.3440


 79.1563, 0.3316,
0.3220

 57.2680, 0.2326,
0.3463

 79.2410, 0.3305,
0.3205

 56.8931, 0.2310,
0.3485

 79.3263, 0.3295,
0.3190

 56.7359, 0.2306,
0.3501

 79.4124, 0.3285,
0.3175

Harmonies

Analogous

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



68.7473, 0.3041, 0.3420



68.7473, 0.2941, 0.3312



68.7473, 0.2890, 0.3200

Triad

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



68.7473, 0.2941, 0.3312



68.7473, 0.3085, 0.3098



68.7473, 0.3357, 0.3462

Complementary

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



68.7473, 0.2941, 0.3312



57.6388, 0.3349, 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.



68.7473, 0.3370, 0.3372



68.7473, 0.2941, 0.3312



68.7473, 0.3211, 0.3165

Square

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



68.7473, 0.2941, 0.3312



68.7473, 0.2972, 0.3079



68.7473, 0.3316, 0.3265



68.7473, 0.3282, 0.3507

Rectangle

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



68.7473, 0.2941, 0.3312



68.7473, 0.2891, 0.3139



68.7473, 0.3316, 0.3265



68.7473, 0.3369, 0.3436

Sweetspot

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



68.7502, 0.2941, 0.3312



98.0720, 0.3068, 0.3297



67.7544, 0.3128, 0.3630



20.9163, 0.3057, 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.



68.7502, 0.2941, 0.3312



92.8891, 0.2899, 0.3318



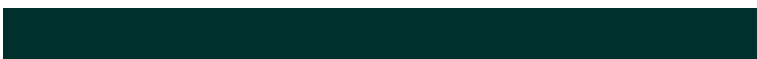
62.6815, 0.2925, 0.3149



15.5554, 0.2991, 0.3306



33.7114, 0.2305, 0.3498



2.3416, 0.2295, 0.3463

Inverse Universe

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



57.6388, 0.3349, 0.3268



74.4627, 0.3412, 0.3263



63.0994, 0.3346, 0.3427



13.7156, 0.3281, 0.3274



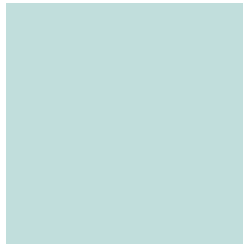
9.2507, 0.6325, 0.3258



0.6466, 0.6115, 0.3142

Previews

White Background



This preview shows how the Yxy color 68.7473, 0.2941, 0.3312 looks on a white background.

Color Contrast Check

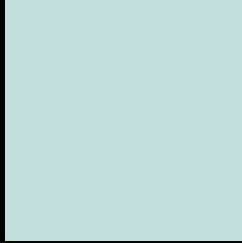
Large Text (above 18pt) WCAG AA × Fail

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 68.7473, 0.2941, 0.3312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

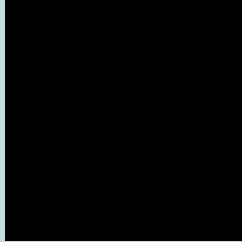
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

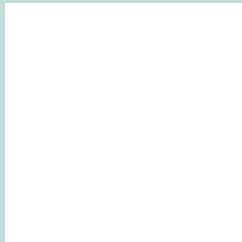
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.7473, 0.2941, 0.3312

Background



This preview shows how black text looks on a background with the Yxy color 68.7473, 0.2941, 0.3312.

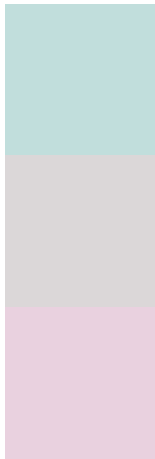


This preview shows how white text looks on a background with the Yxy color 68.7473, 0.2941, 0.3312.

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

68.7473, 0.2941, 0.3312

Protanopia

68.6188, 0.3150, 0.3279

Deuteranopia

68.2523, 0.3209, 0.3141



Tritanopia

68.5132, 0.2856, 0.3088

Trichromacy



Original Color

68.7473, 0.2941, 0.3312

Protanomaly

68.8542, 0.3077, 0.3301

Deuteranomaly

68.2725, 0.3102, 0.3202

Tritanomaly

68.5580, 0.2886, 0.3165

Monochromacy



Original Color

68.7473, 0.2941, 0.3312

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.1914, 0.3055, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.7473, 0.2941, 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(193, 222, 220)` looks like.

```
.text, #text, p{  
    color:rgb(193, 222, 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(193, 222, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 222, 220) }
```

Border

The CSS property to change the border of an element to Yxy 68.7473, 0.2941, 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(193, 222, 220) }
```

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

```
.border{ border-color:rgb(193, 222, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 222, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 222, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 222, 220);  
box-shadow:4px 4px 4px 4px rgb(193, 222,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 68.7473, 0.2941, 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(193, 222, 220) }
```

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

```
.background{ background-color: rgb(193,  
222, 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](#).

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