

Converting Colors

$Yxy(42.7014, 0.2698, 0.3644)$

Have a look what the booklet for
Yxy(42.7014, 0.2698, 0.3644)
contains.

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Color

Yxy(42.8313, 0.2699, 0.3657)

Conversions

Conversions Part 1

Format	Color
Hex	6DBEA6
RGB	109, 190, 166
RGB Percent	43%, 75%, 65%
CMY	0.5722, 0.2549, 0.3490
CMYK	0.43, 0.00, 0.13, 0.25
HSL	162°, 38%, 59%
HSV	162°, 43%, 75%
XYZ	31.6111, 42.8313, 42.6790
YIQ	163.0450, -40.5720, -24.6360

Conversions

Conversions Part 2

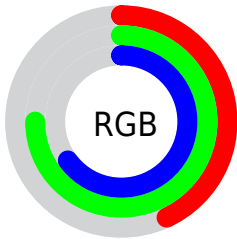
Format	Color
RYB	109, 157, 190
Decimal	7192230
CIELab	71.44, -30.48, 4.39
CIELCh	71, 30.792, 171.803
Yxy	42.8313, 0.2699, 0.3657
Android (android.graphics.Color)	4285382310 (0xFF6DBEA6)
YUV	163.0450, 1.4568, -47.3975
Hunter-Lab	65.4456, -28.3121, 7.1472

Details

The Yxy color **42.8313, 0.2699, 0.3657** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.5975, 0.3884, 0.2961**, and the grayscale version is **36.6657, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6345, 0.2778, 0.3591**, and **19.6075, 0.2571, 0.3773** is the 20% darker color. If you saturate the color by 10%, you get **41.5521, 0.2626, 0.3761**, and if you desaturate by 10%, it is **44.3835, 0.2786, 0.3559**.

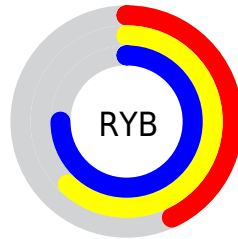
Distribution



Red (43%)

Green (75%)

Blue (65%)



Red (43%)

Yellow (62%)

Blue (75%)

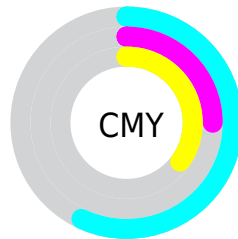


Cyan (43%)

Magenta (0%)

Yellow (13%)

Black (25%)



Cyan (57%)


Magenta (25%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.8313, 0.2699, 0.3657 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 42.8313, 0.2699, 0.3657 by changing the saturation by 10% instead.


 42.8313, 0.2699,
0.3657

 42.8313, 0.2699,
0.3657


357.9175, 0.2917,
0.3467


 29.7528, 0.2643,
0.3706


 79.4562, 0.2779,
0.3587

 19.6510, 0.2571,
0.3771


 103.7714, 0.2809,
0.3561

 12.1416, 0.2473,
0.3859


 132.6009, 0.2834,
0.3539

 6.8402, 0.2335,
0.3987

 166.3292, 0.2856,
0.3520

 3.3624, 0.2124,
0.4186

205.3406, 0.2874,
0.3504

 1.3237, 0.1608,
0.4629

250.0195, 0.2890,

 0.1595, 0.0000,

0.3490

1.0000

300.7504, 0.2905,
0.3478

■ 0.0000, 0.0000,
0.0000

■ 42.8313, 0.2699,
0.3657

■ 42.8313, 0.2699,
0.3657

■ 41.5521, 0.2626,
0.3761

■ 44.3835, 0.2786,
0.3559

■ 40.5237, 0.2569,
0.3869

■ 46.2190, 0.2883,
0.3468

■ 39.7287, 0.2531,
0.3980

■ 48.3539, 0.2988,
0.3384

■ 39.1453, 0.2513,
0.4093

■ 50.8016, 0.3098,
0.3308

■ 38.7474, 0.2514,
0.4204

■ 53.5747, 0.3211,
0.3240

 38.5347, 0.2524,
0.4286

 56.6848, 0.3324,
0.3179

 60.1433, 0.3437,
0.3125

 62.7894, 0.3497,
0.3074

 63.0771, 0.3451,
0.3018

Harmonies

Analogous

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



42.8313, 0.3109, 0.3992



42.8313, 0.2699, 0.3657



42.8313, 0.2415, 0.3220

Triad

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



42.8313, 0.2699, 0.3657



42.8313, 0.2684, 0.2582



42.8313, 0.4013, 0.3642

Complementary

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



42.8313, 0.2699, 0.3657



23.5975, 0.3884, 0.2961

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.



42.8313, 0.3890, 0.3286



42.8313, 0.2699, 0.3657



42.8313, 0.3095, 0.2702

Square

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



42.8313, 0.2699, 0.3657



42.8313, 0.2409, 0.2625



42.8313, 0.3544, 0.2953



42.8313, 0.3879, 0.3942

Rectangle

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



42.8313, 0.2699, 0.3657



42.8313, 0.2326, 0.2955



42.8313, 0.3544, 0.2953



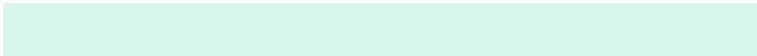
42.8313, 0.4001, 0.3525

Sweetspot

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



42.8330, 0.2699, 0.3657



87.3746, 0.2981, 0.3389



42.9447, 0.3253, 0.4520



18.9877, 0.2957, 0.3408



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



42.8330, 0.2699, 0.3657



75.4659, 0.2631, 0.3753



37.1729, 0.2514, 0.3043



10.7600, 0.3023, 0.3359



25.6405, 0.2520, 0.4272



1.0153, 0.2446, 0.4007

Inverse Universe

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



23.5975, 0.3884, 0.2961



36.0510, 0.4143, 0.2896



26.7872, 0.4118, 0.3517



9.5817, 0.3243, 0.3222



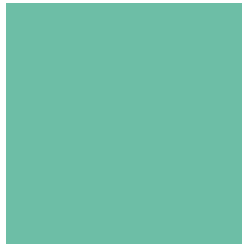
7.4835, 0.5746, 0.2939



0.3050, 0.5043, 0.2551

Previews

White Background



This preview shows how the Yxy color 42.8313, 0.2699, 0.3657 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 42.8313, 0.2699, 0.3657 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 42.8313, 0.2699, 0.3657

Background



This preview shows how black text looks on a background with the Yxy color 42.8313, 0.2699, 0.3657.



This preview shows how white text looks on a background with the Yxy color 42.8313, 0.2699, 0.3657.

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

42.8313, 0.2699, 0.3657

Protanopia

42.1452, 0.3336, 0.3508

Deuteranopia

42.1520, 0.3324, 0.3252



Tritanopia

42.7196, 0.2536, 0.3073

Trichromacy



Original Color

42.8313, 0.2699, 0.3657

Protanomaly

41.7468, 0.3072, 0.3564

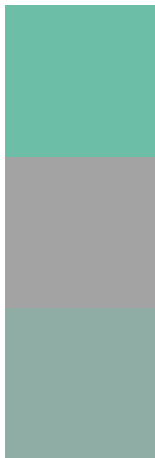
Deuteranomaly

41.5966, 0.3062, 0.3388

Tritanomaly

42.8163, 0.2593, 0.3274

Monochromacy



Original Color

42.8313, 0.2699, 0.3657

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

38.4071, 0.2939, 0.3424

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8313, 0.2699, 0.3657 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(109, 190, 166)` looks like.

```
.text, #text, p{  
    color:rgb(109, 190, 166)  
}
```

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(109, 190, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 190, 166) }
```

Border

The CSS property to change the border of an element to Yxy 42.8313, 0.2699, 0.3657 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(109, 190, 166) }
```

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

```
.border{ border-color:rgb(109, 190, 166) }
```

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

Here you see how a box with a 4 pixel rgb(109, 190, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 190, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 190, 166);  
box-shadow:4px 4px 4px 4px rgb(109, 190,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8313, 0.2699, 0.3657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 190, 166) }
```

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

```
.background{ background-color: rgb(109,  
190, 166) }
```

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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