

Converting Colors

$Yxy(42.9630, 0.2665, 0.3596)$

Have a look what the booklet for
Yxy(42.9630, 0.2665, 0.3596)
contains.

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Color

Yxy(42.9173, 0.2668, 0.3594)

Conversions

Conversions Part 1

Format	Color
Hex	6CBEAA
RGB	108, 190, 170
RGB Percent	42%, 75%, 67%
CMY	0.5762, 0.2549, 0.3333
CMYK	0.43, 0.00, 0.11, 0.25
HSL	165°, 39%, 58%
HSV	165°, 43%, 75%
XYZ	31.8596, 42.9173, 44.6369
YIQ	163.2020, -42.4520, -23.6040

Conversions

Conversions Part 2

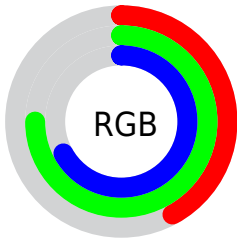
Format	Color
RYB	108, 155, 190
Decimal	7126698
CIELab	71.50, -29.82, 2.29
CIELCh	71, 29.912, 175.616
Yxy	42.9173, 0.2668, 0.3594
Android (android.graphics.Color)	4285316778 (0xFF6CBEEA)
YUV	163.2020, 3.3514, -48.4122
Hunter-Lab	65.5113, -27.8363, 5.4600

Details

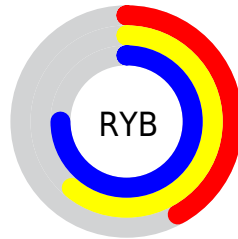
The Yxy color **42.9173, 0.2668, 0.3594** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.2456, 0.3958, 0.3016**, and the grayscale version is **36.7331, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7443, 0.2753, 0.3543**, and **19.6464, 0.2528, 0.3682** is the 20% darker color. If you saturate the color by 10%, you get **41.6815, 0.2591, 0.3678**, and if you desaturate by 10%, it is **44.4224, 0.2759, 0.3514**.

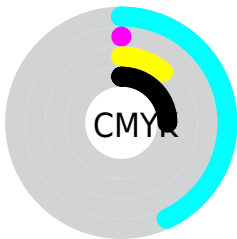
Distribution



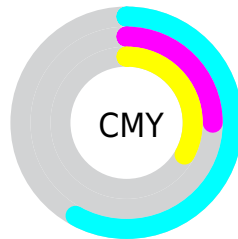
- Red (42%)
- Green (75%)
- Blue (67%)



- Red (42%)
- Yellow (61%)
- Blue (75%)



- Cyan (43%)
- Magenta (0%)
- Yellow (11%)
- Black (25%)




- Cyan (58%)
- Magenta (25%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.9173, 0.2668, 0.3594 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 42.9173, 0.2668, 0.3594 by changing the saturation by 10% instead.


 42.9173, 0.2668,
0.3594


 42.9173, 0.2668,
0.3594


358.2716, 0.2901,
0.3439


 29.8202, 0.2609,
0.3634


 79.5860, 0.2753,
0.3537


 19.7022, 0.2533,
0.3686


 103.9265, 0.2785,
0.3515

 12.1787, 0.2430,
0.3756


 132.7836, 0.2812,
0.3498

 6.8655, 0.2286,
0.3857

 166.5416, 0.2835,
0.3482

 3.3781, 0.2068,
0.4012

205.5851, 0.2855,
0.3469

 1.3322, 0.1572,
0.4347

250.2983, 0.2872,

 0.1659, 0.0000,

0.3458

0.8886

301.0656, 0.2887,
0.3448

0.0000, 0.0000,
0.0000

42.9173, 0.2668,
0.3594

42.9173, 0.2668,
0.3594

41.6815, 0.2591,
0.3678

44.4224, 0.2759,
0.3514

40.6927, 0.2531,
0.3766

46.2071, 0.2862,
0.3440

39.9334, 0.2490,
0.3856


48.2875, 0.2973,
0.3371


39.3818, 0.2468,
0.3946

50.6770, 0.3090,
0.3308


39.0115, 0.2466,
0.4036


53.3881, 0.3210,
0.3252

 38.8268, 0.2472,
0.4098

 56.4326, 0.3332,
0.3201

 59.8218, 0.3452,
0.3157

 62.5935, 0.3529,
0.3115

 62.8237, 0.3491,
0.3068

Harmonies

Analogous

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



42.9173, 0.3056, 0.3940



42.9173, 0.2668, 0.3594



42.9173, 0.2412, 0.3170

Triad

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



42.9173, 0.2668, 0.3594



42.9173, 0.2742, 0.2607



42.9173, 0.3984, 0.3675

Complementary

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



42.9173, 0.2668, 0.3594



23.2456, 0.3958, 0.3016

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.



42.9173, 0.3896, 0.3332



42.9173, 0.2668, 0.3594



42.9173, 0.3152, 0.2742

Square

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



42.9173, 0.2668, 0.3594



42.9173, 0.2453, 0.2629



42.9173, 0.3583, 0.3000



42.9173, 0.3825, 0.3952

Rectangle

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



42.9173, 0.2668, 0.3594



42.9173, 0.2341, 0.2923



42.9173, 0.3583, 0.3000



42.9173, 0.3983, 0.3564

Sweetspot

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



42.9190, 0.2668, 0.3594



87.4742, 0.2972, 0.3372



42.5402, 0.3221, 0.4551



19.0131, 0.2946, 0.3386



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.



42.9190, 0.2668, 0.3594



75.5948, 0.2593, 0.3676



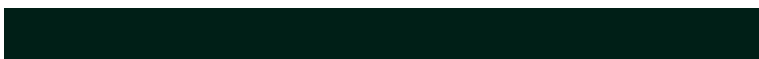
35.4766, 0.2497, 0.2975



10.7687, 0.3016, 0.3347



25.8325, 0.2468, 0.4086



1.0216, 0.2409, 0.3872

Inverse Universe

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



23.2456, 0.3958, 0.3016



35.1724, 0.4257, 0.2962



27.6124, 0.4110, 0.3576



9.5735, 0.3251, 0.3234



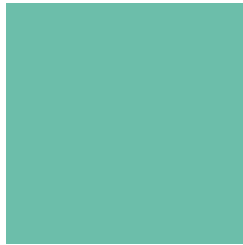
7.4229, 0.5921, 0.3035



0.3015, 0.5225, 0.2652

Previews

White Background



This preview shows how the Yxy color 42.9173, 0.2668, 0.3594 looks on a white background.

Color Contrast Check

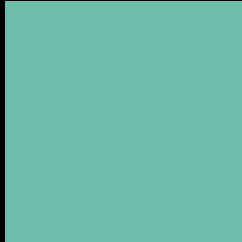
Large Text (above 18pt) WCAG AA × Fail

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 42.9173, 0.2668, 0.3594 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 42.9173, 0.2668, 0.3594

Background



This preview shows how black text looks on a background with the Yxy color 42.9173, 0.2668, 0.3594.



This preview shows how white text looks on a background with the Yxy color 42.9173, 0.2668, 0.3594.

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

42.9173, 0.2668, 0.3594

Protanopia

42.5486, 0.3291, 0.3467

Deuteranopia

42.5474, 0.3278, 0.3213



Tritanopia

43.0479, 0.2521, 0.3074

Trichromacy



Original Color

42.9173, 0.2668, 0.3594

Protanomaly

42.1929, 0.3032, 0.3519

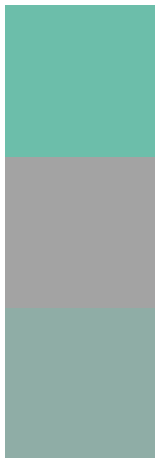
Deuteranomaly

42.0385, 0.3021, 0.3346

Tritanomaly

42.7691, 0.2570, 0.3244

Monochromacy



Original Color

42.9173, 0.2668, 0.3594

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

38.4800, 0.2924, 0.3394

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9173, 0.2668, 0.3594 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(108, 190, 170)` looks like.

```
.text, #text, p{  
    color:rgb(108, 190, 170)  
}
```

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(108, 190, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 190, 170) }
```

Border

The CSS property to change the border of an element to Yxy 42.9173, 0.2668, 0.3594 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(108, 190, 170) }
```

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

```
.border{ border-color:rgb(108, 190, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 190, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 190, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 190, 170);  
box-shadow:4px 4px 4px 4px rgb(108, 190,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9173, 0.2668, 0.3594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 190, 170) }
```

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

```
.background{ background-color: rgb(108,  
190, 170) }
```

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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