

Converting Colors

$Y_{xy}(42.0675, 0.2533, 0.3214)$

Have a look what the booklet for
Yxy(42.0675, 0.2533, 0.3214)
contains.

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Color

Yxy(42.0675, 0.2533, 0.3214)

Conversions

Conversions Part 1

Format	Color
Hex	6CBABF
RGB	108, 186, 191
RGB Percent	42%, 73%, 75%
CMY	0.5762, 0.2706, 0.2509
CMYK	0.43, 0.03, 0.00, 0.25
HSL	184°, 39%, 59%
HSV	184°, 43%, 75%
XYZ	33.1540, 42.0675, 55.6668
YIQ	163.2480, -48.0930, -14.9810

Conversions

Conversions Part 2

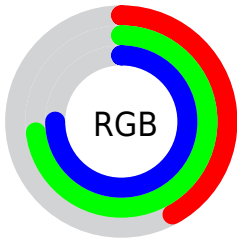
Format	Color
R _Y B	108, 148, 191
Decimal	7125695
CIE Lab	70.92, -22.68, -10.06
CIE LCh	71, 24.810, 203.933
Yxy	42.0675, 0.2533, 0.3214
Android (android.graphics.Color)	4285315775 (0xFF6CBABF)
YUV	163.2480, 13.6817, -48.4525
Hunter-Lab	64.8595, -22.2608, -5.4851

Details

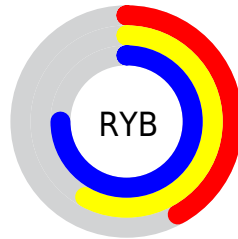
The Yxy color **42.0675, 0.2533, 0.3214** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.9917, 0.4220, 0.3362**, and the grayscale version is **36.7087, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1122, 0.2642, 0.3232**, and **19.3138, 0.2364, 0.3183** is the 20% darker color. If you saturate the color by 10%, you get **40.5141, 0.2431, 0.3194**, and if you desaturate by 10%, it is **43.8905, 0.2651, 0.3233**.

Distribution



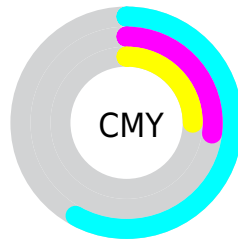
- Red (42%)
- Green (73%)
- Blue (75%)



- Red (42%)
- Yellow (58%)
- Blue (75%)



- Cyan (43%)
- Magenta (3%)
- Yellow (0%)
- Black (25%)




- Cyan (58%)
- Magenta (27%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0675, 0.2533, 0.3214 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 42.0675, 0.2533, 0.3214 by changing the saturation by 10% instead.


 42.0675, 0.2533,
0.3214


 42.0675, 0.2533,
0.3214


354.7627, 0.2829,
0.3259

 29.1541, 0.2460,
0.3201


 78.3018, 0.2640,
0.3232


 19.1975, 0.2366,
0.3182


 102.3915, 0.2681,
0.3238

 11.8130, 0.2241,
0.3155


 130.9754, 0.2715,
0.3243

 6.6165, 0.2070,
0.3112

 164.4380, 0.2744,
0.3248

 3.2234, 0.1821,
0.3039

203.1637, 0.2770,
0.3251

 1.2495, 0.1385,
0.2908

247.5367, 0.2792,

 0.1016, 0.0000,

0.3254

0.1109

297.9416, 0.2812,
0.3257

0.0000, 0.0000,
0.0000

42.0675, 0.2533,
0.3214

42.0675, 0.2533,
0.3214

40.5141, 0.2431,
0.3194

43.8905, 0.2651,
0.3233

39.2081, 0.2347,
0.3174

45.9940, 0.2782,
0.3252

38.1317, 0.2282,
0.3153


48.3941, 0.2925,
0.3269


37.2626, 0.2236,
0.3133

51.1043, 0.3075,
0.3285


36.5740, 0.2207,
0.3113

54.1373, 0.3230,
0.3299

 36.1851, 0.2194,
0.3100

 57.5050, 0.3387,
0.3313

 61.2188, 0.3544,
0.3324

 64.1573, 0.3650,
0.3335

 64.6779, 0.3647,
0.3347

Harmonies

Analogous

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



42.0675, 0.2760, 0.3562



42.0675, 0.2533, 0.3214



42.0675, 0.2459, 0.2915

Triad

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



42.0675, 0.2533, 0.3214



42.0675, 0.3130, 0.2816



42.0675, 0.3725, 0.3838

Complementary

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



42.0675, 0.2533, 0.3214



23.9917, 0.4220, 0.3362

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.



42.0675, 0.3843, 0.3605



42.0675, 0.2533, 0.3214



42.0675, 0.3490, 0.3032

Square

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



42.0675, 0.2533, 0.3214



42.0675, 0.2788, 0.2709



42.0675, 0.3757, 0.3314



42.0675, 0.3446, 0.3935

Rectangle

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



42.0675, 0.2533, 0.3214



42.0675, 0.2501, 0.2782



42.0675, 0.3757, 0.3314



42.0675, 0.3786, 0.3772

Sweetspot

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



42.0691, 0.2533, 0.3214



86.7638, 0.2928, 0.3269



41.6327, 0.3039, 0.4557



18.8305, 0.2895, 0.3266



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.



42.0691, 0.2533, 0.3214



72.7073, 0.2437, 0.3195



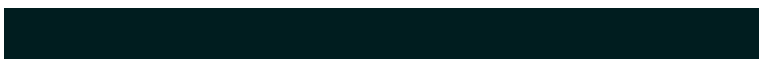
27.3259, 0.2425, 0.2570



10.7080, 0.2985, 0.3276



23.8209, 0.2195, 0.3103



0.9633, 0.2209, 0.3150

Inverse Universe

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



25.3626, 0.3231, 0.2294



39.2326, 0.3257, 0.2105



35.1697, 0.3968, 0.3908



9.6860, 0.3147, 0.3077



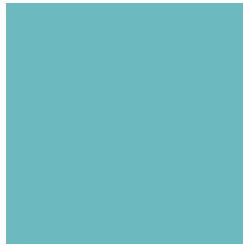
9.4344, 0.3365, 0.1627



0.3726, 0.3324, 0.1605

Previews

White Background



This preview shows how the Yxy color 42.0675, 0.2533, 0.3214 looks on a white background.

Color Contrast Check

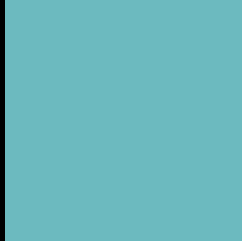
Large Text (above 18pt) WCAG AA × Fail

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 42.0675, 0.2533, 0.3214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

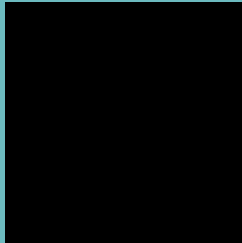
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

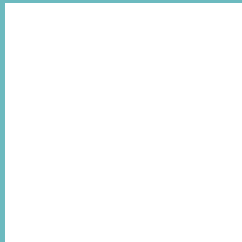
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.0675, 0.2533, 0.3214

Background



This preview shows how black text looks on a background with the Yxy color 42.0675, 0.2533, 0.3214.

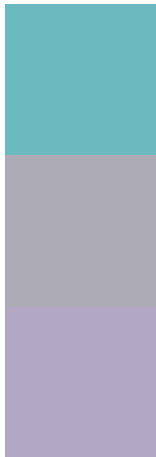


This preview shows how white text looks on a background with the Yxy color 42.0675, 0.2533, 0.3214.

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

42.0675, 0.2533, 0.3214

Protanopia

41.7667, 0.3054, 0.3155

Deuteranopia

41.5291, 0.3002, 0.2937



Tritanopia

42.2476, 0.2496, 0.3071

Trichromacy



Original Color

42.0675, 0.2533, 0.3214

Protanomaly

41.3366, 0.2833, 0.3176

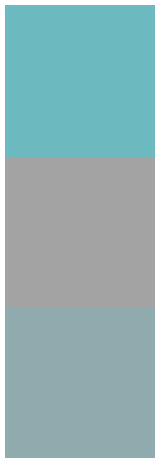
Deuteranomaly

41.3273, 0.2798, 0.3027

Tritanomaly

42.0441, 0.2507, 0.3113

Monochromacy



Original Color

42.0675, 0.2533, 0.3214

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.9826, 0.2869, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0675, 0.2533, 0.3214 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, 186, 191)` looks like.

```
.text, #text, p{  
    color:rgb(108, 186, 191)  
}
```

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, 186, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 186, 191) }
```

Border

The CSS property to change the border of an element to Yxy 42.0675, 0.2533, 0.3214 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, 186, 191) }
```

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

```
.border{ border-color:rgb(108, 186, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 186, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 186, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 186, 191);  
box-shadow:4px 4px 4px 4px rgb(108, 186,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0675, 0.2533, 0.3214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 186, 191) }
```

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

```
.background{ background-color: rgb(108,  
186, 191) }
```

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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