

# Converting Colors

$Y_{xy}(42.1113, 0.2500, 0.3242)$

Have a look what the booklet for  
Yxy(42.1113, 0.2500, 0.3242)  
contains.

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# Color

**Yxy(42.0251, 0.2503, 0.3243)**

# Conversions

## Conversions Part 1

Format	Color
Hex	65BBBE
RGB	101, 187, 190
RGB Percent	40%, 73%, 75%
CMY	0.6038, 0.2667, 0.2548
CMYK	0.47, 0.02, 0.00, 0.25
HSL	182°, 41%, 57%
HSV	182°, 47%, 75%
XYZ	32.4357, 42.0251, 55.1264
YIQ	161.6280, -52.2190, -17.2990

# Conversions

## Conversions Part 2

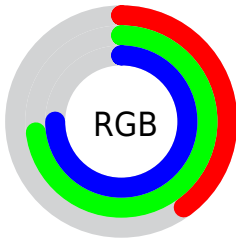
Format	Color
<a href="#">RYB</a>	<a href="#">101, 145, 190</a>
Decimal	<a href="#">6667198</a>
CIELab	<a href="#">70.89, -25.11, -9.60</a>
CIElCh	<a href="#">71, 26.882, 200.913</a>
Yxy	<a href="#">42.0251, 0.2503, 0.3243</a>
Android (android.graphics.Color)	<a href="#">4284857278 (0xFF65BBBE)</a>
YUV	<a href="#">161.6280, 13.9874, -53.1708</a>
Hunter-Lab	<a href="#">64.8268, -24.1355, -5.0393</a>

# Details

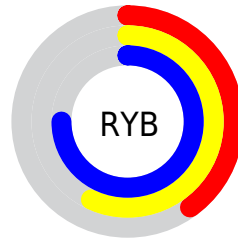
The Yxy color **42.0251, 0.2503, 0.3243** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **21.8020, 0.4367, 0.3335**, and the grayscale version is **35.9052, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9231, 0.2614, 0.3254**, and **19.0526, 0.2323, 0.3203** is the 20% darker color. If you saturate the color by 10%, you get **40.7803, 0.2410, 0.3232**, and if you desaturate by 10%, it is **43.5280, 0.2613, 0.3254**.

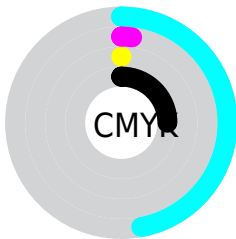
# Distribution



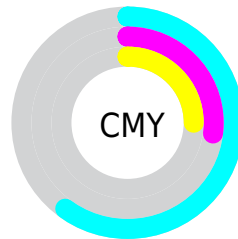
- Red (40%)
- Green (73%)
- Blue (75%)



- Red (40%)
- Yellow (57%)
- Blue (75%)



- Cyan (47%)
- Magenta (2%)
- Yellow (0%)
- Black (25%)




- Cyan (60%)
- Magenta (27%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.0251, 0.2503, 0.3243 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 42.0251, 0.2503, 0.3243 by changing the saturation by 10% instead.





 42.0251, 0.2503,  
0.3243

 42.0251, 0.2503,  
0.3243


354.5870, 0.2814,  
0.3274

 29.1209, 0.2426,  
0.3233


 78.2376, 0.2616,  
0.3256


 19.1723, 0.2327,  
0.3219


 102.3148, 0.2658,  
0.3260

 11.7949, 0.2197,  
0.3197


 130.8850, 0.2694,  
0.3264

 6.6042, 0.2018,  
0.3162

 164.3328, 0.2725,  
0.3267

 3.2158, 0.1759,  
0.3099

203.0425, 0.2752,  
0.3269

 1.2454, 0.1280,  
0.2992

247.3985, 0.2775,

 0.0983, 0.0000,

0.3271

0.1122

297.7852, 0.2796,  
0.3272

0.0000, 0.0000,  
0.0000

42.0251, 0.2503,  
0.3243

42.0251, 0.2503,  
0.3243

40.7803, 0.2410,  
0.3232

43.5280, 0.2613,  
0.3254

39.7709, 0.2336,  
0.3220

45.3001, 0.2738,  
0.3265

38.9786, 0.2280,  
0.3209


47.3578, 0.2876,  
0.3275

38.3801, 0.2243,  
0.3198

49.7147, 0.3023,  
0.3284

37.9438, 0.2223,  
0.3187

52.3835, 0.3176,  
0.3293

 37.8201, 0.2218,  
0.3183

 55.3763, 0.3334,  
0.3301

 58.7045, 0.3493,  
0.3308

 62.3789, 0.3650,  
0.3314

 63.0307, 0.3665,  
0.3321

# Harmonies

## Analogous

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



42.0251, 0.2761, 0.3622



42.0251, 0.2503, 0.3243



42.0251, 0.2406, 0.2909

# Triad

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



42.0251, 0.2503, 0.3243



42.0251, 0.3089, 0.2762



42.0251, 0.3796, 0.3861

# Complementary

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



42.0251, 0.2503, 0.3243



21.8020, 0.4367, 0.3335

# 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.



42.0251, 0.3905, 0.3597



42.0251, 0.2503, 0.3243



42.0251, 0.3483, 0.2984

# Square

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



42.0251, 0.2503, 0.3243



42.0251, 0.2728, 0.2660



42.0251, 0.3789, 0.3281



42.0251, 0.3507, 0.3988



# Rectangle

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



42.0251, 0.2503, 0.3243



42.0251, 0.2440, 0.2757



42.0251, 0.3789, 0.3281



42.0251, 0.3856, 0.3784

# Sweetspot

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



42.0267, 0.2503, 0.3243



86.8593, 0.2913, 0.3277



40.6028, 0.3041, 0.4697



18.8778, 0.2882, 0.3275



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.



42.0267, 0.2503, 0.3243



73.8688, 0.2409, 0.3232



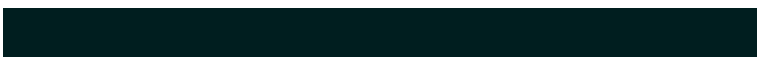
26.0009, 0.2374, 0.2527



10.7525, 0.2985, 0.3282



25.1675, 0.2218, 0.3185



1.0033, 0.2225, 0.3211



# Inverse Universe

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



23.8518, 0.3214, 0.2198



37.1896, 0.3233, 0.2002



33.2247, 0.4058, 0.3936



9.6905, 0.3143, 0.3071



9.5704, 0.3295, 0.1589

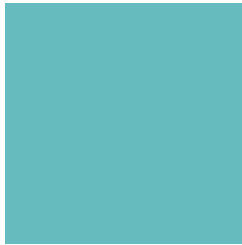


0.3766, 0.3273, 0.1576



# Previews

## White Background



This preview shows how the Yxy color 42.0251, 0.2503, 0.3243 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

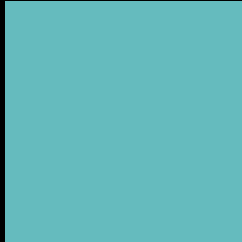
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 42.0251, 0.2503, 0.3243 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

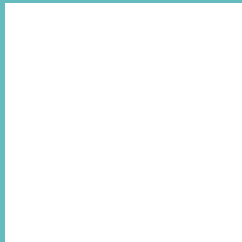
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 42.0251, 0.2503, 0.3243**

## Background



This preview shows how black text looks on a background with the Yxy color 42.0251, 0.2503, 0.3243.

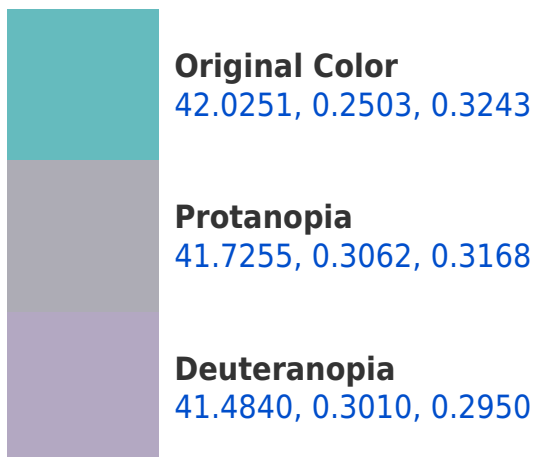


This preview shows how white text looks on a background with the Yxy color 42.0251, 0.2503, 0.3243.

# 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





## Tritanopia

41.8111, 0.2458, 0.3069

# Trichromacy



**Original Color**

42.0251, 0.2503, 0.3243

**Protanomaly**

41.1080, 0.2825, 0.3190

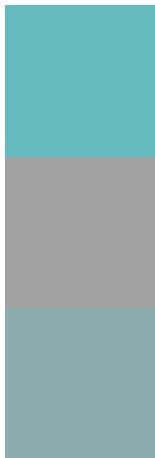
**Deuteranomaly**

41.0895, 0.2790, 0.3039

**Tritanomaly**

41.9869, 0.2477, 0.3141

# Monochromacy



**Original Color**

42.0251, 0.2503, 0.3243

**Achromatopsia**

36.1307, 0.3127, 0.3290

**Achromatomaly**

37.6798, 0.2852, 0.3274

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.0251, 0.2503, 0.3243 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(101, 187, 190)` looks like.

```
.text, #text, p{  
    color:rgb(101, 187, 190)  
}
```

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(101, 187, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 187, 190) }
```

## Border

The CSS property to change the border of an element to Yxy 42.0251, 0.2503, 0.3243 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(101, 187, 190) }
```

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

```
.border{ border-color:rgb(101, 187, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 187, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 187, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 187, 190);  
box-shadow:4px 4px 4px 4px rgb(101, 187,  
190) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.0251, 0.2503, 0.3243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 187, 190) }
```

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

```
.background{ background-color: rgb(101,  
187, 190) }
```

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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