

# Converting Colors

$Yxy(43.9402, 0.2492, 0.3230)$

Have a look what the booklet for  
Yxy(43.9402, 0.2492, 0.3230)  
contains.

<b>Yxy(44.0265, 0.2491, 0.3230)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(44.0265, 0.2491, 0.3230)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66BFC3
RGB	102, 191, 195
RGB Percent	40%, 75%, 76%
CMY	0.6002, 0.2509, 0.2354
CMYK	0.48, 0.02, 0.00, 0.24
HSL	183°, 44%, 58%
HSV	183°, 48%, 76%
XYZ	33.9536, 44.0265, 58.3249
YIQ	164.8450, -54.3280, -17.6240

# Conversions

## Conversions Part 2

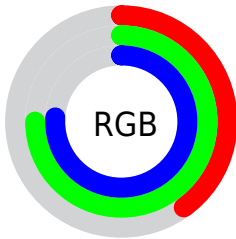
<b>Format</b>	<b>Color</b>
<b>RYB</b>	102, 147, 195
Decimal	6733763
CIELab	72.25, -25.60, -10.28
CIElCh	72, 27.584, 201.880
Yxy	44.0265, 0.2491, 0.3230
Android (android.graphics.Color)	4284923843 (0xFF66BFC3)
YUV	164.8450, 14.8664, -55.1151
Hunter-Lab	66.3525, -24.7757, -5.6701

# Details

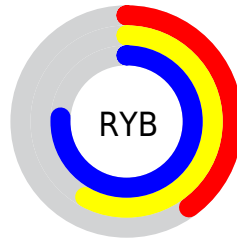
The Yxy color **44.0265, 0.2491, 0.3230** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **22.8470, 0.4400, 0.3347**, and the grayscale version is **37.4897, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5340, 0.2603, 0.3244**, and **20.2858, 0.2317, 0.3205** is the 20% darker color. If you saturate the color by 10%, you get **42.6591, 0.2399, 0.3216**, and if you desaturate by 10%, it is **45.6672, 0.2601, 0.3244**.

# Distribution



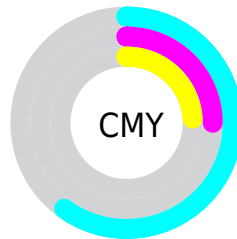
- Red (40%)
- Green (75%)
- Blue (76%)



- Red (40%)
- Yellow (58%)
- Blue (76%)



- Cyan (48%)
- Magenta (2%)
- Yellow (0%)
- Black (24%)




- Cyan (60%)
- Magenta (25%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.0265, 0.2491, 0.3230 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 44.0265, 0.2491, 0.3230 by changing the saturation by 10% instead.





 44.0265, 0.2491,  
0.3230

 44.0265, 0.2491,  
0.3230


362.8164, 0.2806,  
0.3268

 30.6913, 0.2414,  
0.3218


 81.2576, 0.2604,  
0.3245

 20.3639, 0.2316,  
0.3202


 105.9224, 0.2647,  
0.3251

 12.6599, 0.2187,  
0.3178


 135.1324, 0.2683,  
0.3255

 7.1947, 0.2012,  
0.3139

 169.2722, 0.2715,  
0.3258

 3.5842, 0.1760,  
0.3073

208.7261, 0.2742,  
0.3261

 1.4438, 0.1355,  
0.2947

253.8785, 0.2766,

 0.2487, 0.0000,

0.3264

0.2008

305.1138, 0.2787,  
0.3266

0.0000, 0.0000,  
0.0000

44.0265, 0.2491,  
0.3230

44.0265, 0.2491,  
0.3230

42.6591, 0.2399,  
0.3216

45.6672, 0.2601,  
0.3244

41.5408, 0.2325,  
0.3202

47.5933, 0.2725,  
0.3257

40.6517, 0.2270,  
0.3187


49.8223, 0.2862,  
0.3270


39.9666, 0.2234,  
0.3173


52.3689, 0.3009,  
0.3282


39.4484, 0.2214,  
0.3159


55.2466, 0.3163,  
0.3292

 39.3392, 0.2210,  
0.3156

 58.4685, 0.3320,  
0.3302

 62.0465, 0.3478,  
0.3311

 65.4330, 0.3612,  
0.3319

 65.8131, 0.3610,  
0.3328

# Harmonies

## Analogous

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



44.0265, 0.2747, 0.3613



44.0265, 0.2491, 0.3230



44.0265, 0.2399, 0.2896

# Triad

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



44.0265, 0.2491, 0.3230



44.0265, 0.3102, 0.2763



44.0265, 0.3796, 0.3874

# Complementary

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



44.0265, 0.2491, 0.3230



22.8470, 0.4400, 0.3347

# 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.



44.0265, 0.3913, 0.3610



44.0265, 0.2491, 0.3230



44.0265, 0.3499, 0.2990

# Square

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



44.0265, 0.2491, 0.3230



44.0265, 0.2734, 0.2656



44.0265, 0.3803, 0.3291



44.0265, 0.3499, 0.3997



# Rectangle

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



44.0265, 0.2491, 0.3230



44.0265, 0.2437, 0.2746



44.0265, 0.3803, 0.3291



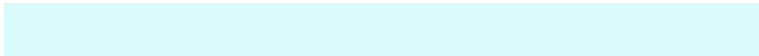
44.0265, 0.3859, 0.3797

# Sweetspot

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



44.0282, 0.2491, 0.3230



90.7841, 0.2913, 0.3274



42.8632, 0.3039, 0.4731



19.6683, 0.2881, 0.3271



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.



44.0282, 0.2491, 0.3230



76.3842, 0.2397, 0.3216



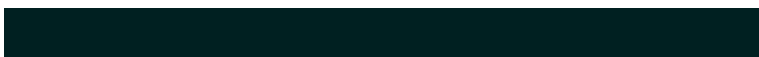
27.1219, 0.2358, 0.2508



11.3524, 0.2984, 0.3280



25.6070, 0.2211, 0.3158



1.1296, 0.2219, 0.3189



# Inverse Universe

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



24.8533, 0.3224, 0.2186



38.2951, 0.3246, 0.1992



34.8723, 0.4082, 0.3949



10.2399, 0.3144, 0.3073



9.8673, 0.3318, 0.1601

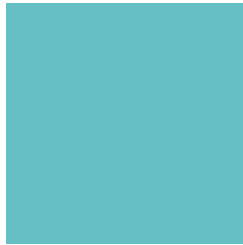


0.4287, 0.3291, 0.1587



# Previews

## White Background



This preview shows how the Yxy color 44.0265, 0.2491, 0.3230 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

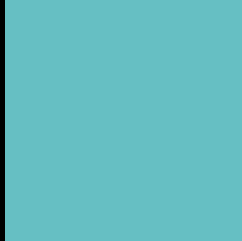
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.0265, 0.2491, 0.3230 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

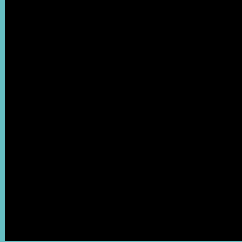
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

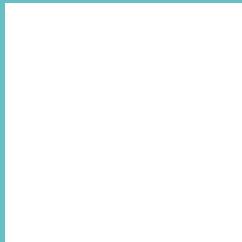
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 44.0265, 0.2491, 0.3230**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.0265, 0.2491, 0.3230.

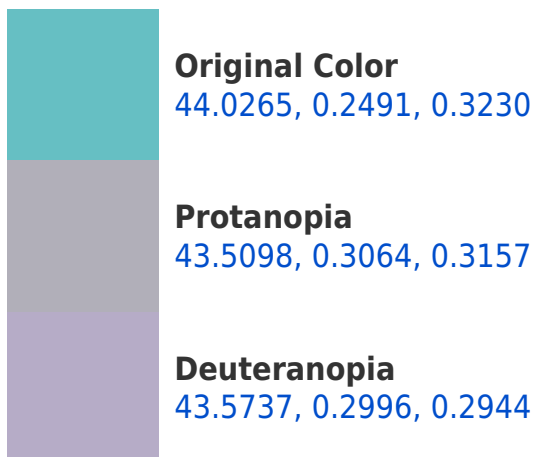


This preview shows how white text looks on a background with the Yxy color 44.0265, 0.2491, 0.3230.

# 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

43.8062, 0.2447, 0.3059

# Trichromacy



## Original Color

44.0265, 0.2491, 0.3230



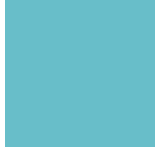
## Protanomaly

43.2059, 0.2816, 0.3178



## Deuteranomaly

43.0897, 0.2774, 0.3030



## Tritanomaly

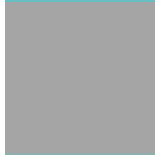
43.9870, 0.2466, 0.3129

# Monochromacy



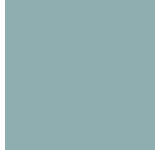
## Original Color

44.0265, 0.2491, 0.3230



## Achromatopsia

37.6262, 0.3127, 0.3290



## Achromatomaly

39.1575, 0.2841, 0.3260

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.0265, 0.2491, 0.3230 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(102, 191, 195)` looks like.

```
.text, #text, p{  
    color:rgb(102, 191, 195)  
}
```

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(102, 191, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 191, 195) }
```

## Border

The CSS property to change the border of an element to Yxy 44.0265, 0.2491, 0.3230 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(102, 191, 195) }
```

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

```
.border{ border-color:rgb(102, 191, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 191, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 191, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 191, 195);  
box-shadow:4px 4px 4px 4px rgb(102, 191,  
195) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.0265, 0.2491, 0.3230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 191, 195) }
```

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

```
.background{ background-color: rgb(102,  
191, 195) }
```

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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