

Converting Colors

$Yxy(47.6752, 0.2443, 0.3088)$

Have a look what the booklet for
Yxy(47.6752, 0.2443, 0.3088)
contains.

Yxy(47.6998, 0.2443, 0.3093)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(47.6998, 0.2443, 0.3093)

Conversions

Conversions Part 1

Format	Color
Hex	6AC5D3
RGB	106, 197, 211
RGB Percent	42%, 77%, 83%
CMY	0.5839, 0.2275, 0.1726
CMYK	0.50, 0.07, 0.00, 0.17
HSL	188°, 54%, 62%
HSV	188°, 50%, 83%
XYZ	37.6756, 47.6998, 68.8432
YIQ	171.3870, -58.7300, -14.9380

Conversions

Conversions Part 2

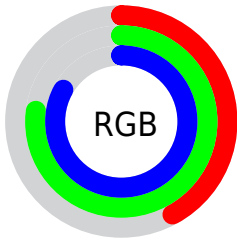
Format	Color
R _{YB}	106, 155, 211
Decimal	6997459
CIE Lab	74.64, -23.38, -15.39
CIE LCh	75, 27.989, 213.358
Yxy	47.6998, 0.2443, 0.3093
Android (android.graphics.Color)	4285187539 (0xFF6AC5D3)
YUV	171.3870, 19.5292, -57.3444
Hunter-Lab	69.0650, -23.4905, -10.7540

Details

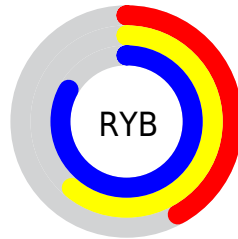
The Yxy color **47.6998, 0.2443, 0.3093** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **28.3481, 0.4427, 0.3467**, and the grayscale version is **40.8638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9961, 0.2622, 0.3278**, and **22.5807, 0.2267, 0.3036** is the 20% darker color. If you saturate the color by 10%, you get **45.2956, 0.2343, 0.3047**, and if you desaturate by 10%, it is **50.4496, 0.2559, 0.3138**.

Distribution



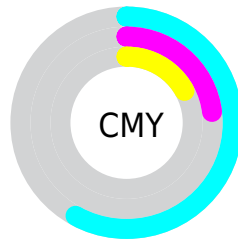
- Red (42%)
- Green (77%)
- Blue (83%)



- Red (42%)
- Yellow (61%)
- Blue (83%)



- Cyan (50%)
- Magenta (7%)
- Yellow (0%)
- Black (17%)





- Cyan (58%)
- Magenta (23%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.6998, 0.2443, 0.3093 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 47.6998, 0.2443, 0.3093 by changing the saturation by 10% instead.

 47.6998, 0.2443,
0.3093

 47.6998, 0.2443,
0.3093


377.6010, 0.2775,
0.3199


 33.5892, 0.2364,
0.3064


 86.7573, 0.2561,
0.3133

 22.5782, 0.2264,
0.3027


 112.4729, 0.2606,
0.3148

 14.2824, 0.2135,
0.2975


 142.8258, 0.2645,
0.3160

 8.3173, 0.1962,
0.2900


 178.2001, 0.2678,
0.3170

 4.2987, 0.1721,
0.2782

218.9804, 0.2707,
0.3179

 1.8420, 0.1367,
0.2581

265.5511, 0.2732,

 0.5131, 0.0000,

0.3187

0.2216

318.2965, 0.2755,
0.3193

0.0000, 0.0000,
0.0000

47.6998, 0.2443,
0.3093

47.6998, 0.2443,
0.3093

45.2956, 0.2343,
0.3047

50.4496, 0.2559,
0.3138

43.2076, 0.2262,
0.3000

53.5611, 0.2689,
0.3180

41.4106, 0.2199,
0.2953


57.0555, 0.2830,
0.3220


39.8723, 0.2156,
0.2906

60.9511, 0.2978,
0.3257

38.5363, 0.2128,
0.2860

65.2648, 0.3132,
0.3291

 38.4990, 0.2127,
0.2858

 70.0125, 0.3287,
0.3322

 75.2092, 0.3442,
0.3349

 76.8985, 0.3446,
0.3377

 78.3852, 0.3441,
0.3406

Harmonies

Analogous

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



47.6998, 0.2638, 0.3467



47.6998, 0.2443, 0.3093



47.6998, 0.2420, 0.2808

Triad

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



47.6998, 0.2443, 0.3093



47.6998, 0.3255, 0.2843



47.6998, 0.3693, 0.3935

Complementary

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



47.6998, 0.2443, 0.3093



28.3481, 0.4427, 0.3467

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.



47.6998, 0.3885, 0.3717



47.6998, 0.2443, 0.3093



47.6998, 0.3627, 0.3101

Square

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



47.6998, 0.2443, 0.3093



47.6998, 0.2868, 0.2687



47.6998, 0.3863, 0.3414



47.6998, 0.3354, 0.3981

Rectangle

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



47.6998, 0.2443, 0.3093



47.6998, 0.2501, 0.2698



47.6998, 0.3863, 0.3414



47.6998, 0.3777, 0.3877

Sweetspot

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



47.7016, 0.2443, 0.3093



90.2390, 0.2897, 0.3237



51.0131, 0.2979, 0.4655



19.0464, 0.2865, 0.3229



0.0000, 0.0000, 0.0000



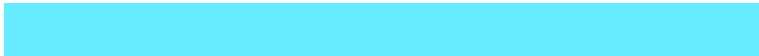
21.4041, 0.3127, 0.3290

Same Dimension

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



47.7016, 0.2443, 0.3093



69.2197, 0.2335, 0.3043



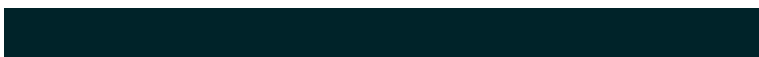
27.8902, 0.2291, 0.2301



13.1267, 0.2983, 0.3258



23.3453, 0.2129, 0.2865



1.3817, 0.2153, 0.2950

Inverse Universe

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



28.2076, 0.3332, 0.2232



36.7365, 0.3388, 0.2043



44.5985, 0.4072, 0.4097



11.9808, 0.3158, 0.3091



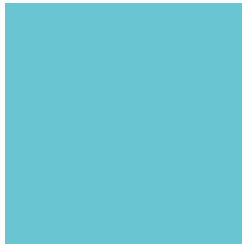
10.4280, 0.3575, 0.1743



0.5908, 0.3498, 0.1701

Previews

White Background



This preview shows how the Yxy color 47.6998, 0.2443, 0.3093 looks on a white background.

Color Contrast Check

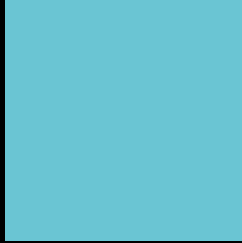
Large Text (above 18pt) WCAG AA × Fail

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 47.6998, 0.2443, 0.3093 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

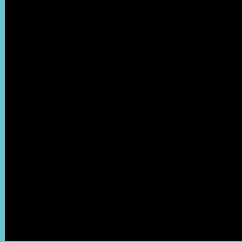
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.6998, 0.2443, 0.3093

Background



This preview shows how black text looks on a background with the Yxy color 47.6998, 0.2443, 0.3093.

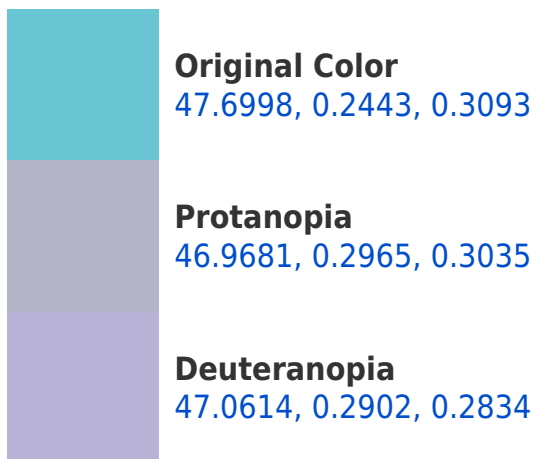


This preview shows how white text looks on a background with the Yxy color 47.6998, 0.2443, 0.3093.

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

47.8624, 0.2437, 0.3066

Trichromacy



Original Color

47.6998, 0.2443, 0.3093

Protanomaly

46.7207, 0.2736, 0.3049

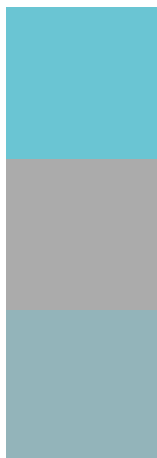
Deuteranomaly

46.6209, 0.2697, 0.2911

Tritanomaly

47.8118, 0.2442, 0.3080

Monochromacy



Original Color

47.6998, 0.2443, 0.3093

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

42.3907, 0.2813, 0.3205

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6998, 0.2443, 0.3093 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(106, 197, 211)` looks like.

```
.text, #text, p{  
    color:rgb(106, 197, 211)  
}
```

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(106, 197, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 197, 211) }
```

Border

The CSS property to change the border of an element to Yxy 47.6998, 0.2443, 0.3093 is called "border". The border property can be set on classes, ids or directly on the HTML element.

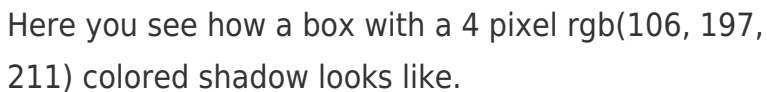
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(106, 197, 211) }
```

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

```
.border{ border-color:rgb(106, 197, 211) }
```

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



Here you see how a box with a 4 pixel `rgb(106, 197, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 197, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 197, 211);  
box-shadow:4px 4px 4px 4px rgb(106, 197,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6998, 0.2443, 0.3093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 197, 211) }
```

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

```
.background{ background-color: rgb(106,  
197, 211) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor