

Converting Colors

$Yxy(56.6835, 0.2431, 0.3203)$

Have a look what the booklet for
Yxy(56.6835, 0.2431, 0.3203)
contains.

Yxy(56.7644, 0.2434, 0.3209)	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(56.7644, 0.2434, 0.3209)

Conversions

Conversions Part 1

Format	Color
Hex	68D7DD
RGB	104, 215, 221
RGB Percent	41%, 84%, 87%
CMY	0.5922, 0.1568, 0.1335
CMYK	0.53, 0.03, 0.00, 0.13
HSL	183°, 63%, 64%
HSV	183°, 53%, 87%
XYZ	43.0553, 56.7644, 77.0715
YIQ	182.4950, -68.0820, -21.6660

Conversions

Conversions Part 2

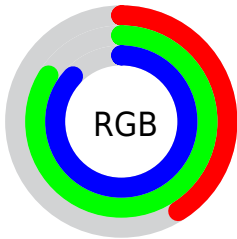
Format	Color
RYB	104, 161, 221
Decimal	6871005
CIELab	80.05, -29.99, -12.64
CIELCh	80, 32.550, 202.856
Yxy	56.7644, 0.2434, 0.3209
Android (android.graphics.Color)	4285061085 (0xFF68D7DD)
YUV	182.4950, 18.9830, -68.8401
Hunter-Lab	75.3422, -29.8424, -7.9114

Details

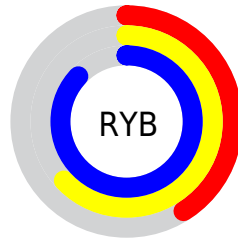
The Yxy color **56.7644, 0.2434, 0.3209** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.5066, 0.4631, 0.3363**, and the grayscale version is **46.9835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6325, 0.2624, 0.3289**, and **28.2349, 0.2265, 0.3179** is the 20% darker color. If you saturate the color by 10%, you get **55.0418, 0.2351, 0.3192**, and if you desaturate by 10%, it is **58.8416, 0.2536, 0.3226**.

Distribution



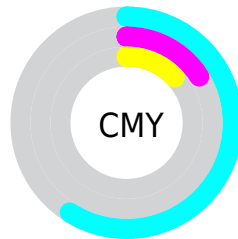
- Red (41%)
- Green (84%)
- Blue (87%)



- Red (41%)
- Yellow (63%)
- Blue (87%)



- Cyan (53%)
- Magenta (3%)
- Yellow (0%)
- Black (13%)



- Cyan (59%)
- Magenta (16%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.7644, 0.2434, 0.3209 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 56.7644, 0.2434, 0.3209 by changing the saturation by 10% instead.


 56.7644, 0.2434,
0.3209


 56.7644, 0.2434,
0.3209


412.5659, 0.2761,
0.3257


 40.8161, 0.2358,
0.3195

 100.1213, 0.2548,
0.3228

 28.1754, 0.2264,
0.3177


 128.2988, 0.2593,
0.3234

 18.4579, 0.2144,
0.3151


 161.3214, 0.2631,
0.3240

 11.2793, 0.1987,
0.3112

199.5736, 0.2664,
0.3244

 6.2550, 0.1774,
0.3051

243.4397, 0.2693,
0.3248

 3.0007, 0.1470,
0.2944

293.3042, 0.2718,

 1.1321, 0.0802,

0.3252

0.2794

349.5515, 0.2741,
0.3254

0.0052, 0.0000,
0.0058

0.0000, 0.0000,
0.0000

56.7644, 0.2434,
0.3209

56.7644, 0.2434,
0.3209

55.0418, 0.2351,
0.3192

58.8416, 0.2536,
0.3226

53.6397, 0.2286,
0.3174


61.2917, 0.2654,
0.3242


52.5282, 0.2241,
0.3157

64.1392, 0.2786,
0.3258


51.6690, 0.2214,
0.3140


67.4048, 0.2930,
0.3273

 51.1696, 0.2202,
0.3129

 71.1078, 0.3081,
0.3286

 75.2661, 0.3238,
0.3299

 79.1953, 0.3371,
0.3310

 79.7985, 0.3369,
0.3321

 80.4057, 0.3367,
0.3332

Harmonies

Analogous

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



56.7644, 0.2703, 0.3629



56.7644, 0.2434, 0.3209



56.7644, 0.2343, 0.2852

Triad

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



56.7644, 0.2434, 0.3209



56.7644, 0.3112, 0.2729



56.7644, 0.3843, 0.3927

Complementary

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



56.7644, 0.2434, 0.3209



27.5066, 0.4631, 0.3363

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.



56.7644, 0.3979, 0.3642



56.7644, 0.2434, 0.3209



56.7644, 0.3542, 0.2975

Square

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



56.7644, 0.2434, 0.3209



56.7644, 0.2713, 0.2608



56.7644, 0.3869, 0.3300



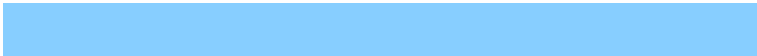
56.7644, 0.3515, 0.4059

Rectangle

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



56.7644, 0.2434, 0.3209



56.7644, 0.2387, 0.2695



56.7644, 0.3869, 0.3300



56.7644, 0.3914, 0.3844

Sweetspot

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



56.7666, 0.2434, 0.3209



91.7472, 0.2883, 0.3268



55.7610, 0.3020, 0.4901



19.4350, 0.2853, 0.3265



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.



56.7666, 0.2434, 0.3209



75.8143, 0.2339, 0.3189



32.1493, 0.2263, 0.2366



14.7099, 0.2982, 0.3278



29.7865, 0.2203, 0.3131



1.9653, 0.2211, 0.3159

Inverse Universe

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



30.1718, 0.3247, 0.2083



35.5757, 0.3274, 0.1885



44.4925, 0.4212, 0.4041



13.2628, 0.3146, 0.3071



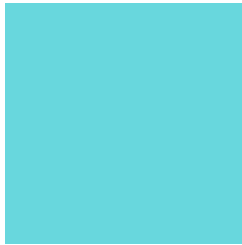
11.6307, 0.3340, 0.1614



0.7571, 0.3317, 0.1601

Previews

White Background



This preview shows how the Yxy color 56.7644, 0.2434, 0.3209 looks on a white background.

Color Contrast Check

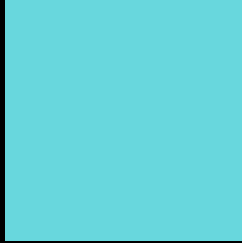
Large Text (above 18pt) WCAG AA × Fail

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 56.7644, 0.2434, 0.3209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

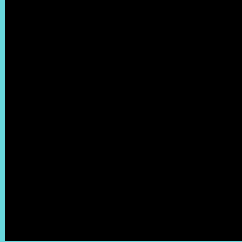
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.7644, 0.2434, 0.3209

Background



This preview shows how black text looks on a background with the Yxy color 56.7644, 0.2434, 0.3209.

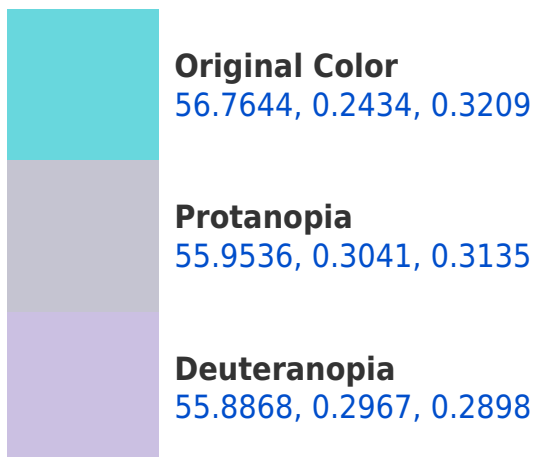


This preview shows how white text looks on a background with the Yxy color 56.7644, 0.2434, 0.3209.

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

56.5462, 0.2399, 0.3055

Trichromacy



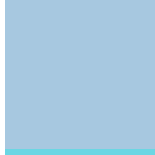
Original Color

56.7644, 0.2434, 0.3209



Protanomaly

55.3025, 0.2772, 0.3163



Deuteranomaly

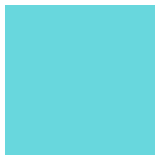
54.9059, 0.2728, 0.2993



Tritanomaly

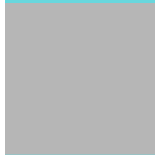
56.7650, 0.2416, 0.3118

Monochromacy



Original Color

56.7644, 0.2434, 0.3209



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

49.4391, 0.2810, 0.3262

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.7644, 0.2434, 0.3209 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(104, 215, 221)` looks like.

```
.text, #text, p{  
    color:rgb(104, 215, 221)  
}
```

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(104, 215, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 215, 221) }
```

Border

The CSS property to change the border of an element to Yxy 56.7644, 0.2434, 0.3209 is called "border". The border property can be set on classes, ids or directly on the HTML element.

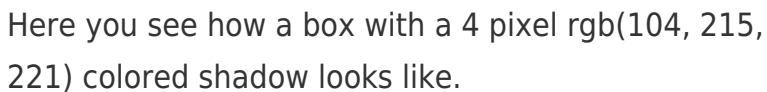
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(104, 215, 221) }
```

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

```
.border{ border-color:rgb(104, 215, 221) }
```

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



Here you see how a box with a 4 pixel `rgb(104, 215, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 215, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 215, 221);  
box-shadow:4px 4px 4px 4px rgb(104, 215,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 56.7644, 0.2434, 0.3209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 215, 221) }
```

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

```
.background{ background-color: rgb(104,  
215, 221) }
```

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