

Converting Colors

$Yxy(56.8363, 0.2448, 0.3288)$

Have a look what the booklet for
Yxy(56.8363, 0.2448, 0.3288)
contains.

Yxy(56.8363, 0.2448, 0.3288)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(56.8363, 0.2448, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	65D8D8
RGB	101, 216, 216
RGB Percent	40%, 85%, 85%
CMY	0.6040, 0.1529, 0.1529
CMYK	0.53, 0.00, 0.00, 0.15
HSL	180°, 60%, 62%
HSV	180°, 53%, 85%
XYZ	42.3161, 56.8363, 73.7074
YIQ	181.6150, -68.5400, -24.3800

Conversions

Conversions Part 2

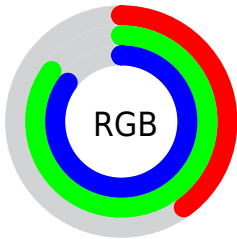
Format	Color
RYB	101, 159, 216
Decimal	6674648
CIELab	80.09, -32.38, -9.94
CIElCh	80, 33.871, 197.068
Yxy	56.8363, 0.2448, 0.3288
Android (android.graphics.Color)	4284864728 (0xFF65D8D8)
YUV	181.6150, 16.9518, -70.6994
Hunter-Lab	75.3899, -31.7408, -5.1940

Details

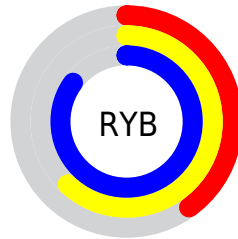
The Yxy color **56.8363, 0.2448, 0.3288** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **24.8440, 0.4684, 0.3295**, and the grayscale version is **46.4924, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3171, 0.2610, 0.3288**, and **28.3098, 0.2283, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **55.7514, 0.2371, 0.3288**, and if you desaturate by 10%, it is **58.2532, 0.2544, 0.3288**.

Distribution



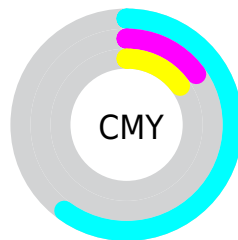
- Red (40%)
- Green (85%)
- Blue (85%)



- Red (40%)
- Yellow (62%)
- Blue (85%)



- Cyan (53%)
- Magenta (0%)
- Yellow (0%)
- Black (15%)




- Cyan (60%)
- Magenta (15%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.8363, 0.2448, 0.3288 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 56.8363, 0.2448, 0.3288 by changing the saturation by 10% instead.


 56.8363, 0.2448,
0.3288

 56.8363, 0.2448,
0.3288


412.8356, 0.2769,
0.3297

 40.8738, 0.2373,
0.3284

 100.2263, 0.2561,
0.3293


 28.2205, 0.2280,
0.3277


 128.4226, 0.2604,
0.3294

 18.4919, 0.2162,
0.3267


 161.4656, 0.2641,
0.3295

 11.3038, 0.2006,
0.3249

 199.7398, 0.2674,
0.3296

 6.2715, 0.1793,
0.3217

243.6295, 0.2702,
0.3296

 3.0109, 0.1488,
0.3154

293.5191, 0.2727,

 1.1374, 0.0740,

0.3297

349.7930, 0.2749,
0.3297

0.3105

0.0097, 0.0000,
0.0135

0.0000, 0.0000,
0.0000

56.8363, 0.2448,
0.3288

56.8363, 0.2448,
0.3288

55.7514, 0.2371,
0.3288

58.2532, 0.2544,
0.3288

54.9656, 0.2314,
0.3288

60.0188, 0.2657,
0.3289

54.4509, 0.2275,
0.3288


62.1568, 0.2785,
0.3289

54.1706, 0.2254,
0.3287

64.6866, 0.2926,
0.3289

 54.0724, 0.2247,
0.3287

 67.6264, 0.3077,
0.3290

 70.9935, 0.3234,
0.3290

 74.8038, 0.3395,
0.3291

 75.3326, 0.3416,
0.3291

 75.3327, 0.3416,
0.3291

Harmonies

Analogous

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



56.8363, 0.2757, 0.3722



56.8363, 0.2448, 0.3288



56.8363, 0.2316, 0.2894

Triad

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



56.8363, 0.2448, 0.3288



56.8363, 0.3024, 0.2673



56.8363, 0.3916, 0.3902

Complementary

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



56.8363, 0.2448, 0.3288



24.8440, 0.4684, 0.3295

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.



56.8363, 0.4012, 0.3587



56.8363, 0.2448, 0.3288



56.8363, 0.3476, 0.2906

Square

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



56.8363, 0.2448, 0.3288



56.8363, 0.2630, 0.2577



56.8363, 0.3848, 0.3230



56.8363, 0.3606, 0.4080

Rectangle

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



56.8363, 0.2448, 0.3288



56.8363, 0.2338, 0.2710



56.8363, 0.3848, 0.3230



56.8363, 0.3976, 0.3807

Sweetspot

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



56.8385, 0.2448, 0.3288



93.0662, 0.2884, 0.3289



52.9317, 0.3058, 0.4983



19.7534, 0.2854, 0.3289



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.



56.8385, 0.2448, 0.3288



81.0049, 0.2362, 0.3288



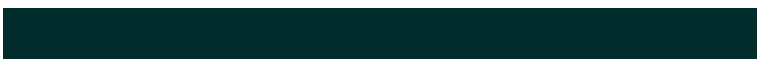
33.0093, 0.2283, 0.2479



14.1079, 0.2983, 0.3290



32.0036, 0.2247, 0.3287



1.9303, 0.2247, 0.3287

Inverse Universe

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



24.8440, 0.4684, 0.3295



29.6489, 0.5222, 0.3296



39.5109, 0.4272, 0.3957



12.4208, 0.3291, 0.3290



8.6411, 0.6401, 0.3300



0.5212, 0.6401, 0.3300

Previews

White Background



This preview shows how the Yxy color 56.8363, 0.2448, 0.3288 looks on a white background.

Color Contrast Check

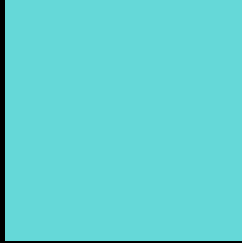
Large Text (above 18pt) WCAG AA × Fail

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 56.8363, 0.2448, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

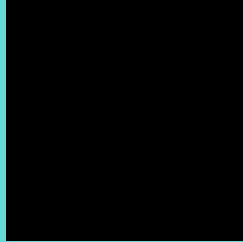
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.8363, 0.2448, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 56.8363, 0.2448, 0.3288.

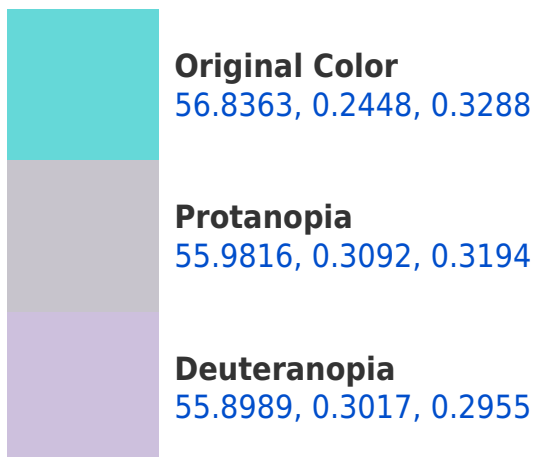


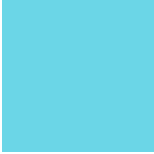
This preview shows how white text looks on a background with the Yxy color 56.8363, 0.2448, 0.3288.

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

56.9885, 0.2397, 0.3068

Trichromacy



Original Color

56.8363, 0.2448, 0.3288



Protanomaly

55.0525, 0.2803, 0.3226



Deuteranomaly

55.1033, 0.2760, 0.3066



Tritanomaly

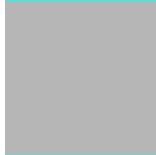
57.0951, 0.2415, 0.3144

Monochromacy



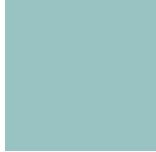
Original Color

56.8363, 0.2448, 0.3288



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

49.2509, 0.2816, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.8363, 0.2448, 0.3288 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, 216, 216)` looks like.

```
.text, #text, p{  
    color:rgb(101, 216, 216)  
}
```

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, 216, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 216, 216) }
```

Border

The CSS property to change the border of an element to Yxy 56.8363, 0.2448, 0.3288 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, 216, 216) }
```

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

```
.border{ border-color:rgb(101, 216, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 216, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 216, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 216, 216);  
box-shadow:4px 4px 4px 4px rgb(101, 216,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 56.8363, 0.2448, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 216, 216) }
```

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

```
.background{ background-color: rgb(101,  
216, 216) }
```

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