

Converting Colors

$Y_{xy}(57.1853, 0.2732, 0.3704)$

Have a look what the booklet for
Yxy(57.1853, 0.2732, 0.3704)
contains.

Yxy(57.1689, 0.2728, 0.3698)	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(57.1689, 0.2728, 0.3698)

Conversions

Conversions Part 1

Format	Color
Hex	7FD8BA
RGB	127, 216, 186
RGB Percent	50%, 85%, 73%
CMY	0.5018, 0.1529, 0.2707
CMYK	0.41, 0.00, 0.14, 0.15
HSL	160°, 53%, 67%
HSV	160°, 41%, 85%
XYZ	42.1733, 57.1689, 55.2519
YIQ	185.9690, -43.4140, -28.1980

Conversions

Conversions Part 2

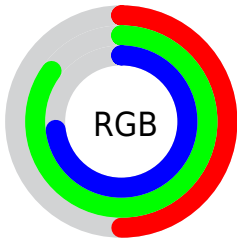
Format	Color
RYB	127, 181, 216
Decimal	8378554
CIELab	80.27, -33.62, 6.47
CIELCh	80, 34.232, 169.111
Yxy	57.1689, 0.2728, 0.3698
Android (android.graphics.Color)	4286568634 (0xFF7FD8BA)
YUV	185.9690, 0.0153, -51.7158
Hunter-Lab	75.6101, -32.7553, 9.6010

Details

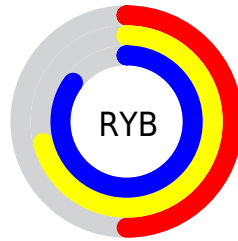
The Yxy color **57.1689, 0.2728, 0.3698** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **32.2250, 0.3813, 0.2925**, and the grayscale version is **49.1079, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9981, 0.2780, 0.3430**, and **28.5228, 0.2619, 0.3815** is the 20% darker color. If you saturate the color by 10%, you get **55.3839, 0.2657, 0.3818**, and if you desaturate by 10%, it is **59.3299, 0.2812, 0.3585**.

Distribution



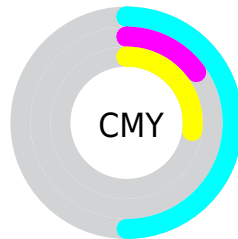
- Red (50%)
- Green (85%)
- Blue (73%)



- Red (50%)
- Yellow (71%)
- Blue (85%)



- Cyan (41%)
- Magenta (0%)
- Yellow (14%)
- Black (15%)





- Cyan (50%)
- Magenta (15%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 57.1689, 0.2728, 0.3698 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 57.1689, 0.2728, 0.3698 by changing the saturation by 10% instead.


 57.1689, 0.2728,
0.3698


 57.1689, 0.2728,
0.3698


414.0819, 0.2923,
0.3496


 41.1409, 0.2681,
0.3748

 100.7116, 0.2798,
0.3625

 28.4292, 0.2621,
0.3811


 128.9950, 0.2824,
0.3598

 18.6494, 0.2543,
0.3895

 162.1324, 0.2847,
0.3574

 11.4172, 0.2437,
0.4011

200.5081, 0.2866,
0.3554

 6.3482, 0.2285,
0.4182

244.5065, 0.2883,
0.3537

 3.0579, 0.2048,
0.4455

294.5120, 0.2898,

 1.1621, 0.1179,

0.3521

0.5261

350.9090, 0.2911,
0.3508

0.0304, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

57.1689, 0.2728,
0.3698

57.1689, 0.2728,
0.3698

55.3839, 0.2657,
0.3818

59.3299, 0.2812,
0.3585

53.9447, 0.2601,
0.3944

61.8810, 0.2907,
0.3481

52.8279, 0.2565,
0.4073

64.8442, 0.3009,
0.3386

52.0039, 0.2548,
0.4203

68.2374, 0.3114,
0.3300


 51.4374, 0.2552,
0.4333

 72.0779, 0.3222,
0.3222

 51.0980, 0.2568,
0.4445

 76.0691, 0.3318,
0.3153

 76.4867, 0.3267,
0.3082

 76.9216, 0.3217,
0.3011

 77.3740, 0.3168,
0.2942

Harmonies

Analogous

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



57.1689, 0.3149, 0.4019



57.1689, 0.2728, 0.3698



57.1689, 0.2427, 0.3258

Triad

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



57.1689, 0.2728, 0.3698



57.1689, 0.2649, 0.2573



57.1689, 0.4021, 0.3613

Complementary

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



57.1689, 0.2728, 0.3698



32.2250, 0.3813, 0.2925

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.



57.1689, 0.3874, 0.3254



57.1689, 0.2728, 0.3698



57.1689, 0.3054, 0.2680

Square

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



57.1689, 0.2728, 0.3698



57.1689, 0.2386, 0.2632



57.1689, 0.3509, 0.2922



57.1689, 0.3908, 0.3925

Rectangle

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



57.1689, 0.2728, 0.3698



57.1689, 0.2326, 0.2984



57.1689, 0.3509, 0.2922



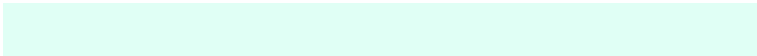
57.1689, 0.4001, 0.3494

Sweetspot

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



57.1712, 0.2728, 0.3698



94.0039, 0.2999, 0.3394



57.9323, 0.3284, 0.4474



19.9930, 0.2985, 0.3406



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.



57.1712, 0.2728, 0.3698



81.0652, 0.2668, 0.3797



52.0229, 0.2537, 0.3111



14.0333, 0.3027, 0.3370



30.2656, 0.2563, 0.4426



1.8406, 0.2501, 0.4205

Inverse Universe

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



32.2250, 0.3813, 0.2925



40.2257, 0.4026, 0.2856



35.0013, 0.4108, 0.3457



12.4893, 0.3239, 0.3212



8.9432, 0.5611, 0.2864



0.5546, 0.5122, 0.2596

Previews

White Background



This preview shows how the Yxy color 57.1689, 0.2728, 0.3698 looks on a white background.

Color Contrast Check

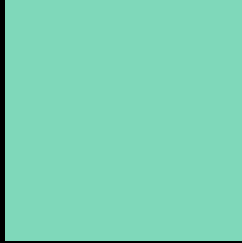
Large Text (above 18pt) WCAG AA × Fail

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 57.1689, 0.2728, 0.3698 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 57.1689, 0.2728, 0.3698

Background



This preview shows how black text looks on a background with the Yxy color 57.1689, 0.2728, 0.3698.

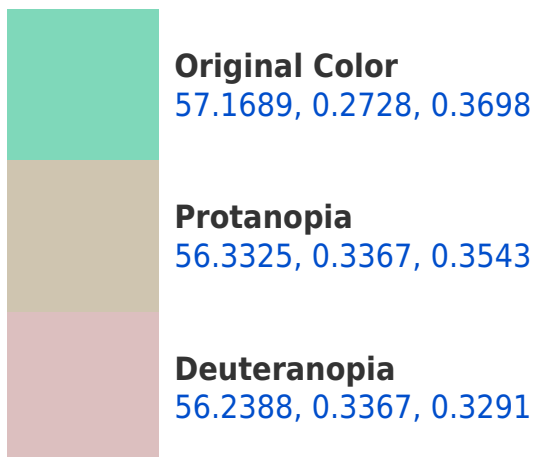


This preview shows how white text looks on a background with the Yxy color 57.1689, 0.2728, 0.3698.

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

56.9576, 0.2548, 0.3073

Trichromacy



Original Color

57.1689, 0.2728, 0.3698



Protanomaly

55.9460, 0.3098, 0.3596



Deuteranomaly

55.4218, 0.3097, 0.3427



Tritanomaly

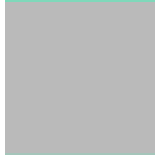
56.8270, 0.2610, 0.3288

Monochromacy



Original Color

57.1689, 0.2728, 0.3698



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

51.4770, 0.2959, 0.3435

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.1689, 0.2728, 0.3698 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(127, 216, 186)` looks like.

```
.text, #text, p{  
    color:rgb(127, 216, 186)  
}
```

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(127, 216, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 216, 186) }
```

Border

The CSS property to change the border of an element to Yxy 57.1689, 0.2728, 0.3698 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(127, 216, 186) }
```

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

```
.border{ border-color:rgb(127, 216, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 216, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 216, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 216, 186);  
box-shadow:4px 4px 4px 4px rgb(127, 216,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 57.1689, 0.2728, 0.3698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 216, 186) }
```

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

```
.background{ background-color: rgb(127,  
216, 186) }
```

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