

Converting Colors

Yxy(50.6636, 0.2637, 0.3427)

Have a look what the booklet for
Yxy(50.6636, 0.2637, 0.3427)
contains.

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Color

Yxy(50.6997, 0.2638, 0.3428)

Conversions

Conversions Part 1

Format	Color
Hex	7ACBC1
RGB	122, 203, 193
RGB Percent	48%, 80%, 76%
CMY	0.5213, 0.2040, 0.2431
CMYK	0.40, 0.00, 0.05, 0.20
HSL	173°, 44%, 64%
HSV	173°, 40%, 80%
XYZ	39.0157, 50.6997, 58.1834
YIQ	177.6410, -45.0660, -20.2820

Conversions

Conversions Part 2

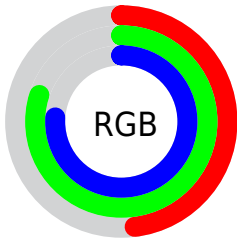
Format	Color
RYB	122, 165, 203
Decimal	8047553
CIELab	76.50, -27.10, -2.82
CIELCh	76, 27.244, 185.940
Yxy	50.6997, 0.2638, 0.3428
Android (android.graphics.Color)	4286237633 (0xFF7ACBC1)
YUV	177.6410, 7.5720, -48.7972
Hunter-Lab	71.2037, -26.7984, 1.3944

Details

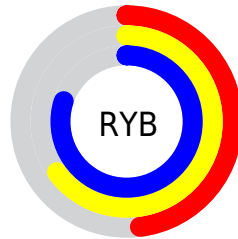
The Yxy color **50.6997, 0.2638, 0.3428** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **28.3012, 0.3996, 0.3162**, and the grayscale version is **44.3084, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8245, 0.2720, 0.3354**, and **24.5816, 0.2507, 0.3462** is the 20% darker color. If you saturate the color by 10%, you get **49.2594, 0.2546, 0.3468**, and if you desaturate by 10%, it is **52.4554, 0.2745, 0.3390**.

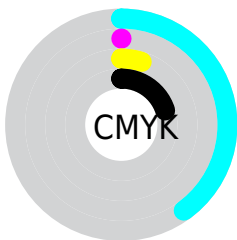
Distribution



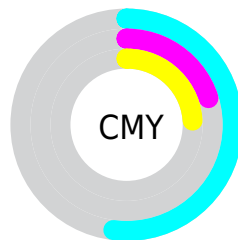
- Red (48%)
- Green (80%)
- Blue (76%)



- Red (48%)
- Yellow (65%)
- Blue (80%)



- Cyan (40%)
- Magenta (0%)
- Yellow (5%)
- Black (20%)




- Cyan (52%)
- Magenta (20%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.6997, 0.2638, 0.3428 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 50.6997, 0.2638, 0.3428 by changing the saturation by 10% instead.


 50.6997, 0.2638,
0.3428


 50.6997, 0.2638,
0.3428


389.3959, 0.2877,
0.3363


 35.9697, 0.2580,
0.3443


 91.2107, 0.2724,
0.3405

 24.4108, 0.2507,
0.3462


 117.7605, 0.2756,
0.3396

 15.6386, 0.2411,
0.3487


 149.0190, 0.2784,
0.3389

 9.2688, 0.2281,
0.3519

185.3706, 0.2807,
0.3382

 4.9169, 0.2094,
0.3562

227.1997, 0.2828,
0.3376

 2.1986, 0.1807,
0.3623

274.8907, 0.2846,

 0.7192, 0.0128,

0.3371

0.4178

328.8280, 0.2863,
0.3367

0.0000, 0.0000,
0.0000

50.6997, 0.2638,
0.3428

50.6997, 0.2638,
0.3428

49.2594, 0.2546,
0.3468

52.4554, 0.2745,
0.3390

48.1091, 0.2471,
0.3510

54.5383, 0.2865,
0.3353

47.2293, 0.2415,
0.3553


56.9668, 0.2993,
0.3320


46.5951, 0.2378,
0.3596


59.7562, 0.3129,
0.3290


46.1777, 0.2360,
0.3639

62.9208, 0.3269,
0.3262


 45.9230, 0.2356,
0.3682

 66.4743, 0.3410,
0.3238

 45.9198, 0.2356,
0.3682

 68.6483, 0.3478,
0.3214

 68.7746, 0.3459,
0.3188

 68.9029, 0.3440,
0.3163

Harmonies

Analogous

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



50.6997, 0.2945, 0.3759



50.6997, 0.2638, 0.3428



50.6997, 0.2464, 0.3075

Triad

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



50.6997, 0.2638, 0.3428



50.6997, 0.2910, 0.2721



50.6997, 0.3842, 0.3722

Complementary

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



50.6997, 0.2638, 0.3428



28.3012, 0.3996, 0.3162

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.



50.6997, 0.3839, 0.3436



50.6997, 0.2638, 0.3428



50.6997, 0.3282, 0.2880

Square

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



50.6997, 0.2638, 0.3428



50.6997, 0.2614, 0.2692



50.6997, 0.3629, 0.3135



50.6997, 0.3644, 0.3917

Rectangle

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



50.6997, 0.2638, 0.3428



50.6997, 0.2440, 0.2886



50.6997, 0.3629, 0.3135



50.6997, 0.3865, 0.3633

Sweetspot

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



50.7017, 0.2638, 0.3428



94.4104, 0.2963, 0.3328



49.0908, 0.3147, 0.4475



20.0891, 0.2946, 0.3332



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.



50.7017, 0.2638, 0.3428



82.7589, 0.2556, 0.3463



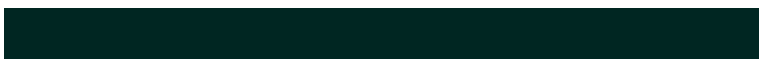
38.4659, 0.2516, 0.2862



12.7023, 0.3000, 0.3319



29.2349, 0.2355, 0.3676



1.5151, 0.2331, 0.3593

Inverse Universe

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



28.3012, 0.3996, 0.3162



40.0546, 0.4299, 0.3137



36.4766, 0.3964, 0.3677



11.2358, 0.3271, 0.3262



8.1322, 0.6233, 0.3207



0.4272, 0.5812, 0.2975

Previews

White Background



This preview shows how the Yxy color 50.6997, 0.2638, 0.3428 looks on a white background.

Color Contrast Check

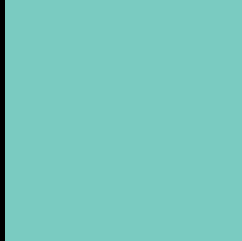
Large Text (above 18pt) WCAG AA × Fail

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 50.6997, 0.2638, 0.3428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

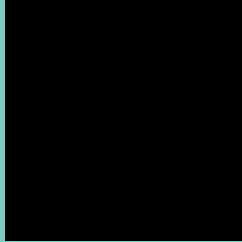
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

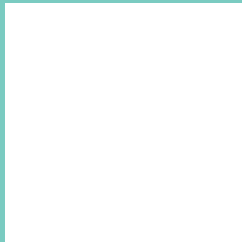
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.6997, 0.2638, 0.3428

Background



This preview shows how black text looks on a background with the Yxy color 50.6997, 0.2638, 0.3428.

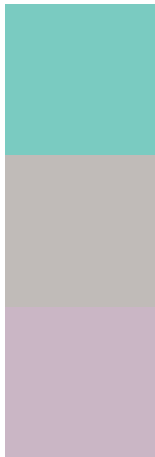


This preview shows how white text looks on a background with the Yxy color 50.6997, 0.2638, 0.3428.

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



Original Color

50.6997, 0.2638, 0.3428

Protanopia

50.2078, 0.3192, 0.3328

Deuteranopia

50.0437, 0.3178, 0.3108



Tritanopia

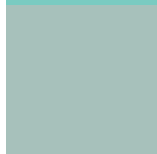
50.8556, 0.2537, 0.3075

Trichromacy



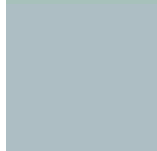
Original Color

50.6997, 0.2638, 0.3428



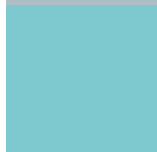
Protanomaly

49.9433, 0.2966, 0.3369



Deuteranomaly

49.6967, 0.2948, 0.3212



Tritanomaly

50.7630, 0.2572, 0.3193

Monochromacy



Original Color

50.6997, 0.2638, 0.3428



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

46.2286, 0.2924, 0.3344

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.6997, 0.2638, 0.3428 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(122, 203, 193)` looks like.

```
.text, #text, p{  
    color:rgb(122, 203, 193)  
}
```

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(122, 203, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 203, 193) }
```

Border

The CSS property to change the border of an element to Yxy 50.6997, 0.2638, 0.3428 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(122, 203, 193) }
```

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

```
.border{ border-color:rgb(122, 203, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 203, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 203, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 203, 193);  
box-shadow:4px 4px 4px 4px rgb(122, 203,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 50.6997, 0.2638, 0.3428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 203, 193) }
```

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

```
.background{ background-color: rgb(122,  
203, 193) }
```

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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