

Converting Colors

$Yxy(48.2447, 0.2665, 0.3435)$

Have a look what the booklet for
Yxy(48.2447, 0.2665, 0.3435)
contains.

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Color

Yxy(48.2300, 0.2663, 0.3431)

Conversions

Conversions Part 1

Format	Color
Hex	7BC6BC
RGB	123, 198, 188
RGB Percent	48%, 78%, 74%
CMY	0.5178, 0.2235, 0.2628
CMYK	0.38, 0.00, 0.05, 0.22
HSL	172°, 40%, 63%
HSV	172°, 38%, 78%
XYZ	37.4341, 48.2300, 54.9071
YIQ	174.4350, -41.4900, -19.0100

Conversions

Conversions Part 2

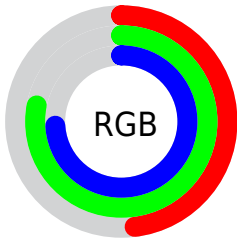
Format	Color
RYB	123, 163, 198
Decimal	8111804
CIELab	74.97, -25.61, -2.35
CIELCh	75, 25.714, 185.237
Yxy	48.2300, 0.2663, 0.3431
Android (android.graphics.Color)	4286301884 (0xFF7BC6BC)
YUV	174.4350, 6.6875, -45.1085
Hunter-Lab	69.4478, -25.3177, 1.7374

Details

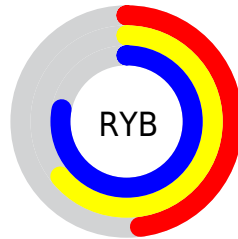
The Yxy color **48.2300, 0.2663, 0.3431** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.8564, 0.3923, 0.3158**, and the grayscale version is **42.5399, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5166, 0.2744, 0.3409**, and **22.9610, 0.2537, 0.3467** is the 20% darker color. If you saturate the color by 10%, you get **46.8039, 0.2569, 0.3474**, and if you desaturate by 10%, it is **49.9573, 0.2772, 0.3390**.

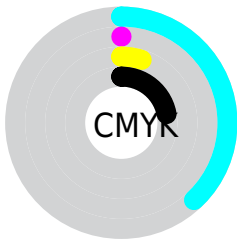
Distribution



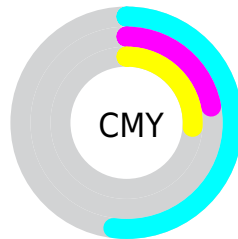
- Red (48%)
- Green (78%)
- Blue (74%)



- Red (48%)
- Yellow (64%)
- Blue (78%)



- Cyan (38%)
- Magenta (0%)
- Yellow (5%)
- Black (22%)





- Cyan (52%)
- Magenta (22%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.2300, 0.2663, 0.3431 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 48.2300, 0.2663, 0.3431 by changing the saturation by 10% instead.


 48.2300, 0.2663,
0.3431


 48.2300, 0.2663,
0.3431


379.7031, 0.2892,
0.3363

 34.0091, 0.2607,
0.3447


 87.5468, 0.2745,
0.3407

 22.9006, 0.2535,
0.3468


 113.4114, 0.2777,
0.3398

 14.5201, 0.2442,
0.3494


 143.9260, 0.2803,
0.3390

 8.4833, 0.2313,
0.3529

179.4750, 0.2826,
0.3383

 4.4057, 0.2125,
0.3578

220.4428, 0.2846,
0.3377

 1.9030, 0.1831,
0.3649

267.2139, 0.2863,

 0.5502, 0.0000,

0.3372

0.4189

320.1725, 0.2878,
0.3367

0.0000, 0.0000,
0.0000

48.2300, 0.2663,
0.3431

48.2300, 0.2663,
0.3431

46.8039, 0.2569,
0.3474

49.9573, 0.2772,
0.3390

45.6553, 0.2491,
0.3520

51.9966, 0.2892,
0.3351

44.7663, 0.2432,
0.3566

54.3649, 0.3021,
0.3316

44.1144, 0.2392,
0.3613


57.0764, 0.3156,
0.3283


43.6733, 0.2370,
0.3660


60.1447, 0.3294,
0.3254

 43.4037, 0.2366,
0.3706

 63.5822, 0.3433,
0.3228

 43.3556, 0.2365,
0.3716

 66.1339, 0.3519,
0.3204

 66.2639, 0.3498,
0.3177

 66.3961, 0.3477,
0.3150

Harmonies

Analogous

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



48.2300, 0.2961, 0.3745



48.2300, 0.2663, 0.3431



48.2300, 0.2492, 0.3092

Triad

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



48.2300, 0.2663, 0.3431



48.2300, 0.2911, 0.2740



48.2300, 0.3815, 0.3701

Complementary

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



48.2300, 0.2663, 0.3431



27.8564, 0.3923, 0.3158

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.



48.2300, 0.3807, 0.3425



48.2300, 0.2663, 0.3431



48.2300, 0.3268, 0.2891

Square

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



48.2300, 0.2663, 0.3431



48.2300, 0.2628, 0.2716



48.2300, 0.3602, 0.3135



48.2300, 0.3630, 0.3889

Rectangle

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



48.2300, 0.2663, 0.3431



48.2300, 0.2466, 0.2908



48.2300, 0.3602, 0.3135



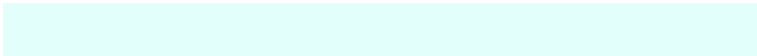
48.2300, 0.3835, 0.3615

Sweetspot

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



48.2319, 0.2663, 0.3431



94.8239, 0.2978, 0.3327



46.9088, 0.3157, 0.4402



20.1709, 0.2960, 0.3332



0.0000, 0.0000, 0.0000



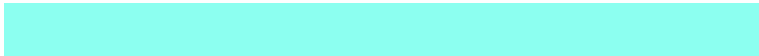
21.4041, 0.3127, 0.3290

Same Dimension

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



48.2319, 0.2663, 0.3431



83.3894, 0.2588, 0.3465



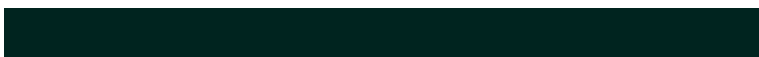
37.6933, 0.2549, 0.2906



12.0423, 0.3001, 0.3321



28.2008, 0.2364, 0.3709



1.3422, 0.2337, 0.3613

Inverse Universe

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



27.8564, 0.3923, 0.3158



42.4751, 0.4176, 0.3133



35.0036, 0.3916, 0.3641



10.6596, 0.3269, 0.3259



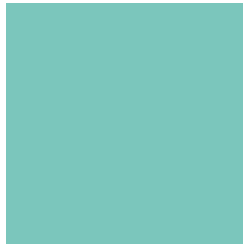
7.8648, 0.6211, 0.3195



0.3801, 0.5742, 0.2937

Previews

White Background



This preview shows how the Yxy color 48.2300, 0.2663, 0.3431 looks on a white background.

Color Contrast Check

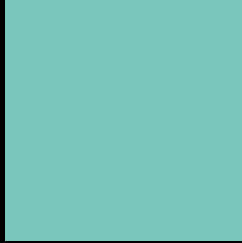
Large Text (above 18pt) WCAG AA × Fail

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 48.2300, 0.2663, 0.3431 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

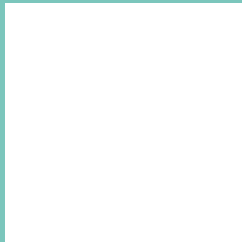
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.2300, 0.2663, 0.3431

Background



This preview shows how black text looks on a background with the Yxy color 48.2300, 0.2663, 0.3431.

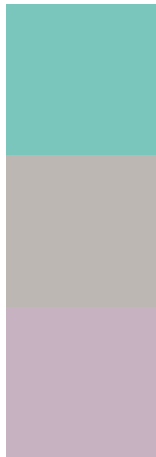


This preview shows how white text looks on a background with the Yxy color 48.2300, 0.2663, 0.3431.

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

48.2300, 0.2663, 0.3431

Protanopia

47.8130, 0.3202, 0.3342

Deuteranopia

47.6523, 0.3187, 0.3117



Tritanopia

48.3505, 0.2565, 0.3085

Trichromacy



Original Color

48.2300, 0.2663, 0.3431

Protanomaly

47.2364, 0.2978, 0.3370

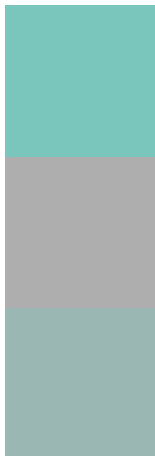
Deuteranomaly

47.1174, 0.2967, 0.3211

Tritanomaly

48.2561, 0.2601, 0.3206

Monochromacy



Original Color

48.2300, 0.2663, 0.3431

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

44.0902, 0.2928, 0.3345

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2300, 0.2663, 0.3431 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(123, 198, 188)` looks like.

```
.text, #text, p{  
    color:rgb(123, 198, 188)  
}
```

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(123, 198, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 198, 188) }
```

Border

The CSS property to change the border of an element to Yxy 48.2300, 0.2663, 0.3431 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(123, 198, 188) }
```

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

```
.border{ border-color:rgb(123, 198, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 198, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 198, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 198, 188);  
box-shadow:4px 4px 4px 4px rgb(123, 198,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2300, 0.2663, 0.3431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 198, 188) }
```

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

```
.background{ background-color: rgb(123,  
198, 188) }
```

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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