

Converting Colors

$Y_{xy}(48.7759, 0.2234, 0.2973)$

Have a look what the booklet for
Yxy(48.7759, 0.2234, 0.2973)
contains.

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Color

Yxy(48.6380, 0.2231, 0.2967)

Conversions

Conversions Part 1

Format	Color
Hex	3CCA E1
RGB	60, 202, 225
RGB Percent	24%, 79%, 88%
CMY	0.7652, 0.2078, 0.1175
CMYK	0.73, 0.10, 0.00, 0.12
HSL	188°, 73%, 56%
HSV	188°, 73%, 88%
XYZ	36.5728, 48.6380, 78.7191
YIQ	162.1640, -92.0150, -22.9510

Conversions

Conversions Part 2

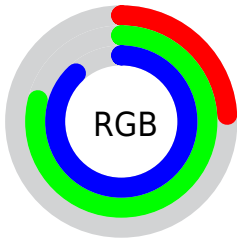
Format	Color
R _{YB}	60, 136, 225
Decimal	3984097
CIE _{Lab}	75.23, -29.54, -22.22
CIE _{LCh}	75, 36.964, 216.945
Y _{xy}	48.6380, 0.2231, 0.2967
Android (android.graphics.Color)	4282174177 (0xFF3CCA E1)
YUV	162.1640, 30.9781, -89.5978
Hunter-Lab	69.7409, -28.4397, -18.1041

Details

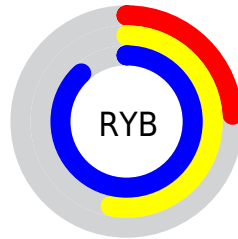
The Yxy color **48.6380, 0.2231, 0.2967** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light washed cyan. A complement of this color would be **22.5118, 0.5443, 0.3505**, and the grayscale version is **36.0835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4858, 0.2482, 0.3288**, and **24.0821, 0.2133, 0.2878** is the 20% darker color. If you saturate the color by 10%, you get **46.6254, 0.2175, 0.2917**, and if you desaturate by 10%, it is **50.9817, 0.2306, 0.3017**.

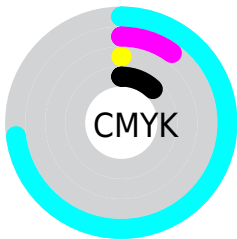
Distribution



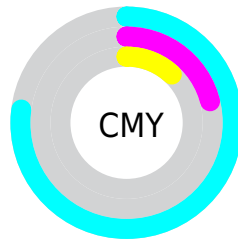
- Red (24%)
- Green (79%)
- Blue (88%)



- Red (24%)
- Yellow (53%)
- Blue (88%)



- Cyan (73%)
- Magenta (10%)
- Yellow (0%)
- Black (12%)





- Cyan (77%)
- Magenta (21%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.6380, 0.2231, 0.2967 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 48.6380, 0.2231, 0.2967 by changing the saturation by 10% instead.

 48.6380, 0.2231,
0.2967


 48.6380, 0.2231,
0.2967


381.3155, 0.2659,
0.3140


 34.3324, 0.2131,
0.2921


 88.1536, 0.2381,
0.3032

 23.1491, 0.2008,
0.2861


 114.1323, 0.2439,
0.3056

 14.7036, 0.1851,
0.2780


 144.7709, 0.2489,
0.3076

 8.6116, 0.1646,
0.2665

 180.4538, 0.2532,
0.3093

 4.4888, 0.1373,
0.2492

221.5653, 0.2569,
0.3107

 1.9505, 0.1000,
0.2212

268.4898, 0.2603,

 0.5785, 0.0000,

0.3119

0.1728

321.6117, 0.2632,
0.3130

■ 0.0000, 0.0000,
0.0000

■ 48.6380, 0.2231,
0.2967

■ 48.6380, 0.2231,
0.2967

■ 46.6254, 0.2175,
0.2917

■ 50.9817, 0.2306,
0.3017

■ 44.8976, 0.2138,
0.2868


■ 53.6849, 0.2400,
0.3066

■ 43.8691, 0.2121,
0.2836


■ 56.7787, 0.2511,
0.3113

■ 60.2892, 0.2637,
0.3159

■ 64.2402, 0.2775,
0.3202

 68.6535, 0.2922,
0.3242

 73.5495, 0.3075,
0.3278

 78.9470, 0.3230,
0.3312

 83.4300, 0.3333,
0.3342

Harmonies

Analogous

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



48.6380, 0.2449, 0.3457



48.6380, 0.2231, 0.2967



48.6380, 0.2230, 0.2626

Triad

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



48.6380, 0.2231, 0.2967



48.6380, 0.3352, 0.2750



48.6380, 0.3812, 0.4151

Complementary

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



48.6380, 0.2231, 0.2967



22.5118, 0.5443, 0.3505

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.



48.6380, 0.4100, 0.3871



48.6380, 0.2231, 0.2967



48.6380, 0.3833, 0.3086

Square

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



48.6380, 0.2231, 0.2967



48.6380, 0.2841, 0.2534



48.6380, 0.4115, 0.3483



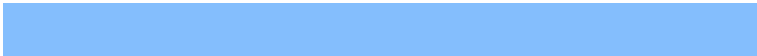
48.6380, 0.3352, 0.4199

Rectangle

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



48.6380, 0.2231, 0.2967



48.6380, 0.2349, 0.2509



48.6380, 0.4115, 0.3483



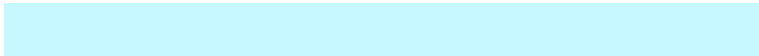
48.6380, 0.3933, 0.4077

Sweetspot

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



48.6398, 0.2231, 0.2967



85.9786, 0.2793, 0.3207



55.4345, 0.2948, 0.5392



18.0792, 0.2754, 0.3195



0.0000, 0.0000, 0.0000



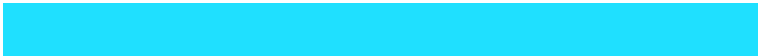
21.4041, 0.3127, 0.3290

Same Dimension

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



48.6398, 0.2231, 0.2967



60.6606, 0.2154, 0.2892



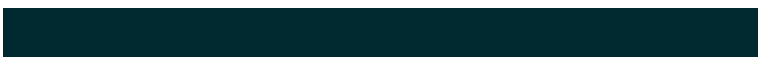
19.9346, 0.1914, 0.1717



15.2294, 0.2982, 0.3256



25.3999, 0.2123, 0.2844



1.8515, 0.2144, 0.2919

Inverse Universe

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



23.4977, 0.3468, 0.1880



27.5853, 0.3547, 0.1775



43.0617, 0.4593, 0.4372



13.9010, 0.3159, 0.3091



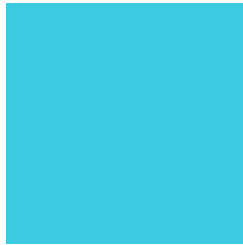
11.4722, 0.3594, 0.1754



0.8044, 0.3526, 0.1716

Previews

White Background



This preview shows how the Yxy color 48.6380, 0.2231, 0.2967 looks on a white background.

Color Contrast Check

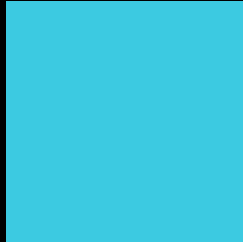
Large Text (above 18pt) WCAG AA × Fail

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 48.6380, 0.2231, 0.2967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

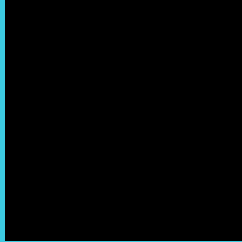
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.6380, 0.2231, 0.2967

Background



This preview shows how black text looks on a background with the Yxy color 48.6380, 0.2231, 0.2967.



This preview shows how white text looks on a background with the Yxy color 48.6380, 0.2231, 0.2967.

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

48.6380, 0.2231, 0.2967

Protanopia

47.7931, 0.2878, 0.2914

Deuteranopia

47.8207, 0.2746, 0.2682



Tritanopia

48.6671, 0.2250, 0.3061

Trichromacy



Original Color

48.6380, 0.2231, 0.2967



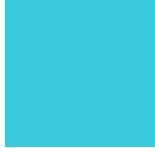
Protanomaly

46.6392, 0.2555, 0.2915



Deuteranomaly

46.7188, 0.2485, 0.2766



Tritanomaly

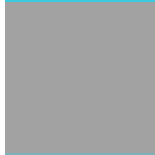
48.8022, 0.2244, 0.3035

Monochromacy



Original Color

48.6380, 0.2231, 0.2967



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

39.3070, 0.2656, 0.3170

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6380, 0.2231, 0.2967 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(60, 202, 225)` looks like.

```
.text, #text, p{  
    color:rgb(60, 202, 225)  
}
```

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(60, 202, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 202, 225) }
```

Border

The CSS property to change the border of an element to Yxy 48.6380, 0.2231, 0.2967 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(60, 202, 225) }
```

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

```
.border{ border-color:rgb(60, 202, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 202, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 202, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 202, 225);  
box-shadow:4px 4px 4px 4px rgb(60, 202,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6380, 0.2231, 0.2967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 202, 225) }
```

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

```
.background{ background-color: rgb(60, 202,  
225) }
```

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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