

Converting Colors

$Y_{xy}(44.7149, 0.2328, 0.3367)$

Have a look what the booklet for
Yxy(44.7149, 0.2328, 0.3367)
contains.

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Color

Yxy(44.8668, 0.2327, 0.3364)

Conversions

Conversions Part 1

Format	Color
Hex	30C6C1
RGB	48, 198, 193
RGB Percent	19%, 78%, 76%
CMY	0.8119, 0.2235, 0.2432
CMYK	0.76, 0.00, 0.03, 0.22
HSL	178°, 61%, 48%
HSV	178°, 76%, 78%
XYZ	31.0360, 44.8668, 57.4706
YIQ	152.5800, -87.7950, -33.3550

Conversions

Conversions Part 2

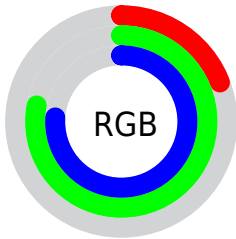
Format	Color
R _Y B	48, 124, 198
Decimal	3196609
CIE Lab	72.80, -38.47, -8.52
CIE LCh	73, 39.402, 192.489
Yxy	44.8668, 0.2327, 0.3364
Android (android.graphics.Color)	4281386689 (0xFF30C6C1)
YUV	152.5800, 19.9271, -91.7167
Hunter-Lab	66.9827, -34.5129, -3.9824

Details

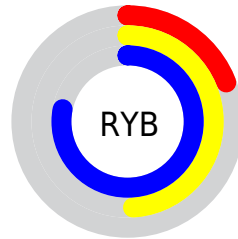
The Yxy color **44.8668, 0.2327, 0.3364** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **14.3741, 0.5655, 0.3253**, and the grayscale version is **31.5994, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2815, 0.2467, 0.3358**, and **21.5384, 0.2264, 0.3350** is the 20% darker color. If you saturate the color by 10%, you get **44.4607, 0.2295, 0.3375**, and if you desaturate by 10%, it is **45.4910, 0.2378, 0.3353**.

Distribution



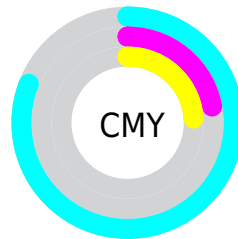
- Red (19%)
- Green (78%)
- Blue (76%)



- Red (19%)
- Yellow (49%)
- Blue (78%)



- Cyan (76%)
- Magenta (0%)
- Yellow (3%)
- Black (22%)





- Cyan (81%)
- Magenta (22%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.8668, 0.2327, 0.3364 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 44.8668, 0.2327, 0.3364 by changing the saturation by 10% instead.


 44.8668, 0.2327,
0.3364


 44.8668, 0.2327,
0.3364


366.2338, 0.2720,
0.3337

 31.3525, 0.2232,
0.3368

 82.5205, 0.2468,
0.3357

 20.8674, 0.2111,
0.3370


 107.4287, 0.2521,
0.3353


 13.0271, 0.1955,
0.3370


 136.9037, 0.2567,
0.3350

 7.4472, 0.1744,
0.3364

 171.3298, 0.2606,
0.3347

 3.7433, 0.1449,
0.3340

 211.0915, 0.2640,
0.3344

 1.5310, 0.0884,
0.3314

256.5731, 0.2670,

 0.3104, 0.0000,

0.3341

0.2495

308.1591, 0.2696,
0.3339

■ 0.0000, 0.0000,
0.0000

■ 44.8668, 0.2327,
0.3364

■ 44.8668, 0.2327,
0.3364

■ 44.4607, 0.2295,
0.3375

■ 45.4910, 0.2378,
0.3353

■ 44.2362, 0.2279,
0.3386

■ 46.3538, 0.2448,
0.3342

■ 44.1699, 0.2275,
0.3390

■ 47.4786, 0.2537,
0.3332

■ 48.8848, 0.2643,
0.3322

■ 50.5901, 0.2764,
0.3312

■ 52.6105, 0.2898,
0.3303

■ 54.9611, 0.3041,
0.3294

■ 57.6558, 0.3191,
0.3287

■ 60.7079, 0.3345,
0.3280

Harmonies

Analogous

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



44.8668, 0.2732, 0.3918



44.8668, 0.2327, 0.3364



44.8668, 0.2136, 0.2848

Triad

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



44.8668, 0.2327, 0.3364



44.8668, 0.2910, 0.2502



44.8668, 0.4151, 0.3985

Complementary

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



44.8668, 0.2327, 0.3364



14.3741, 0.5655, 0.3253

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.



44.8668, 0.4231, 0.3574



44.8668, 0.2327, 0.3364



44.8668, 0.3477, 0.2762

Square

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



44.8668, 0.2327, 0.3364



44.8668, 0.2448, 0.2411



44.8668, 0.3979, 0.3141



44.8668, 0.3788, 0.4264

Rectangle

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



44.8668, 0.2327, 0.3364



44.8668, 0.2139, 0.2605



44.8668, 0.3979, 0.3141



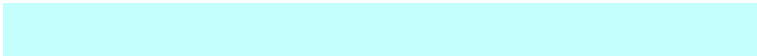
44.8668, 0.4213, 0.3856

Sweetspot

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



44.8685, 0.2327, 0.3364



90.3971, 0.2795, 0.3310



41.4296, 0.3043, 0.5647



19.0875, 0.2748, 0.3313



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.



44.8685, 0.2327, 0.3364



78.4320, 0.2283, 0.3382



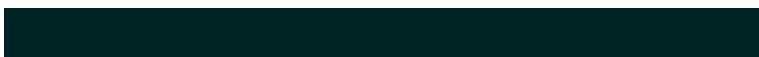
20.7997, 0.2013, 0.2151



12.0612, 0.2988, 0.3297



28.7253, 0.2275, 0.3389



1.3621, 0.2268, 0.3366

Inverse Universe

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



14.3741, 0.5655, 0.3253



21.9682, 0.6231, 0.3275



24.5912, 0.4955, 0.4061



10.6426, 0.3284, 0.3283



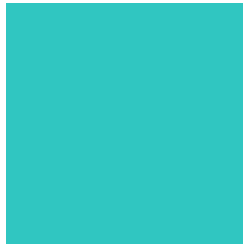
7.8196, 0.6360, 0.3277



0.3723, 0.6217, 0.3199

Previews

White Background



This preview shows how the Yxy color 44.8668, 0.2327, 0.3364 looks on a white background.

Color Contrast Check

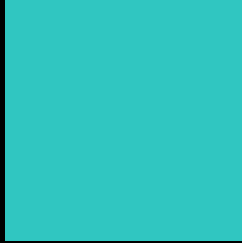
Large Text (above 18pt) WCAG AA × Fail

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 44.8668, 0.2327, 0.3364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

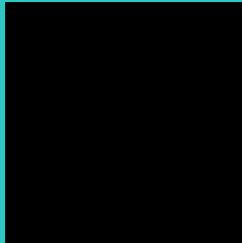
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

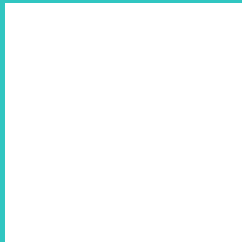
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.8668, 0.2327, 0.3364

Background



This preview shows how black text looks on a background with the Yxy color 44.8668, 0.2327, 0.3364.

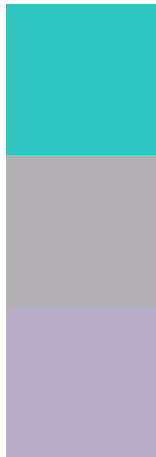


This preview shows how white text looks on a background with the Yxy color 44.8668, 0.2327, 0.3364.

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

44.8668, 0.2327, 0.3364

Protanopia

43.9297, 0.3121, 0.3237

Deuteranopia

44.2010, 0.3013, 0.2958



Tritanopia

44.7255, 0.2267, 0.3054

Trichromacy



Original Color

44.8668, 0.2327, 0.3364



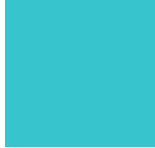
Protanomaly

42.6091, 0.2709, 0.3274



Deuteranomaly

42.6380, 0.2656, 0.3077



Tritanomaly

44.6802, 0.2289, 0.3169

Monochromacy



Original Color

44.8668, 0.2327, 0.3364



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

34.8479, 0.2686, 0.3305

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8668, 0.2327, 0.3364 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(48, 198, 193)` looks like.

```
.text, #text, p{  
    color:rgb(48, 198, 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(48, 198, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 198, 193) }
```

Border

The CSS property to change the border of an element to Yxy 44.8668, 0.2327, 0.3364 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(48, 198, 193) }
```

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

```
.border{ border-color:rgb(48, 198, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 198, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 198, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 198, 193);  
box-shadow:4px 4px 4px 4px rgb(48, 198,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8668, 0.2327, 0.3364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 198, 193) }
```

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

```
.background{ background-color: rgb(48, 198,  
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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