

Converting Colors

Yxy(56.0251, 0.2194, 0.3099)

Have a look what the booklet for
Yxy(56.0251, 0.2194, 0.3099)
contains.

Yxy(55.9690, 0.2194, 0.3098)	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

$\text{Yxy}(55.9690, 0.2194, 0.3098)$

Conversions

Conversions Part 1

Format	Color
Hex	00DAE8
RGB	0, 218, 232
RGB Percent	0%, 85%, 91%
CMY	0.9995, 0.1451, 0.0902
CMYK	1.00, 0.06, 0.00, 0.09
HSL	184°, 100%, 46%
HSV	184°, 100%, 91%
XYZ	39.6372, 55.9690, 85.0555
YIQ	154.4140, -134.4220, -41.8620

Conversions

Conversions Part 2

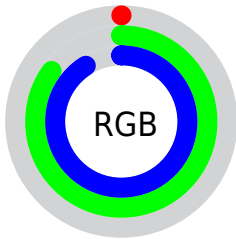
Format	Color
R _{YB}	0, 112, 232
Decimal	56040
CIE Lab	79.60, -38.49, -19.37
CIE LCh	80, 43.095, 206.716
Yxy	55.9690, 0.2194, 0.3098
Android (android.graphics.Color)	4278246120 (0xFF00DAE8)
YUV	154.4140, 38.2499, -135.4211
Hunter-Lab	74.8124, -36.3487, -15.0391

Details

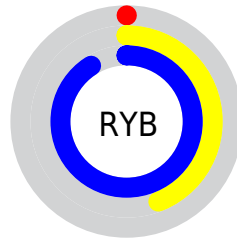
The Yxy color **55.9690, 0.2194, 0.3098** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **17.4733, 0.6366, 0.3327**, and the grayscale version is **32.3979, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2507, 0.2423, 0.3288**, and **28.9753, 0.2178, 0.3040** is the 20% darker color. If you saturate the color by 10%, you get **55.9661, 0.2194, 0.3098**, and if you desaturate by 10%, it is **56.8857, 0.2212, 0.3118**.

Distribution



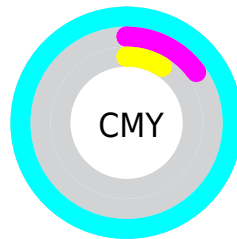
- Red (0%)
- Green (85%)
- Blue (91%)



- Red (0%)
- Yellow (44%)
- Blue (91%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (9%)




- Cyan (100%)
- Magenta (15%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.9690, 0.2194, 0.3098 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 55.9690, 0.2194, 0.3098 by changing the saturation by 10% instead.

 55.9690, 0.2194,
0.3098

 55.9690, 0.2194,
0.3098


 409.5747, 0.2629,
0.3207

 40.1781, 0.2095,
0.3068

 98.9593, 0.2345,
0.3140


 27.6774, 0.1974,
0.3029


 126.9274, 0.2403,
0.3155

 18.0826, 0.1822,
0.2974


 159.7233, 0.2454,
0.3167

 11.0093, 0.1628,
0.2896

 197.7315, 0.2498,
0.3178

 6.0731, 0.1372,
0.2776

 241.3364, 0.2537,
0.3187

 2.8896, 0.1030,
0.2578

 290.9222, 0.2571,

 1.0744, 0.0151,

0.3194

0.2320

346.8735, 0.2601,
0.3201

■ 0.0000, 0.0000,
0.0000

■ 55.9690, 0.2194,
0.3098

■ 55.9690, 0.2194,
0.3098

■ 55.9661, 0.2194,
0.3098

■ 56.8857, 0.2212,
0.3118

■ 58.0284, 0.2246,
0.3138

■ 59.4690, 0.2297,
0.3159

■ 61.2483, 0.2368,
0.3180

■ 63.4009, 0.2459,
0.3200

■ 65.9567, 0.2567,
0.3220

■ 68.9428, 0.2690,
0.3239

■ 72.3839, 0.2827,
0.3257

■ 76.3027, 0.2974,
0.3274

Harmonies

Analogous

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



55.9690, 0.2507, 0.3672



55.9690, 0.2194, 0.3098



55.9690, 0.2114, 0.2655

Triad

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



55.9690, 0.2194, 0.3098



55.9690, 0.3174, 0.2597



55.9690, 0.4020, 0.4154

Complementary

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



55.9690, 0.2194, 0.3098



17.4733, 0.6366, 0.3327

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.



55.9690, 0.4251, 0.3783



55.9690, 0.2194, 0.3098



55.9690, 0.3745, 0.2925

Square

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



55.9690, 0.2194, 0.3098



55.9690, 0.2638, 0.2419



55.9690, 0.4155, 0.3344



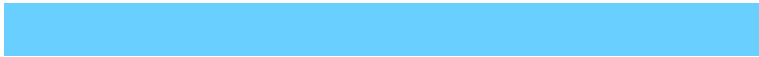
55.9690, 0.3557, 0.4324

Rectangle

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



55.9690, 0.2194, 0.3098



55.9690, 0.2191, 0.2479



55.9690, 0.4155, 0.3344



55.9690, 0.4129, 0.4046

Sweetspot

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



55.9710, 0.2194, 0.3098



85.3533, 0.2688, 0.3239



57.7389, 0.2993, 0.5976



17.9201, 0.2634, 0.3231



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.



55.9710, 0.2194, 0.3098



69.3095, 0.2194, 0.3097



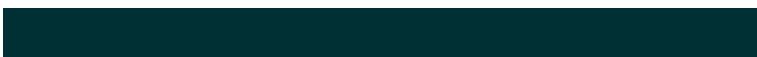
15.8228, 0.1720, 0.1391



16.1795, 0.2982, 0.3275



31.1385, 0.2195, 0.3101



2.3465, 0.2203, 0.3130

Inverse Universe

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



22.2205, 0.3369, 0.1630



27.5280, 0.3370, 0.1630



32.5052, 0.5279, 0.4190



14.5994, 0.3147, 0.3072



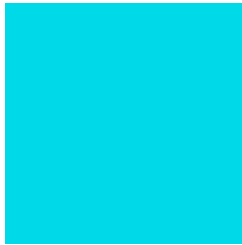
12.3412, 0.3366, 0.1628



0.9166, 0.3341, 0.1614

Previews

White Background



This preview shows how the Yxy color 55.9690, 0.2194, 0.3098 looks on a white background.

Color Contrast Check

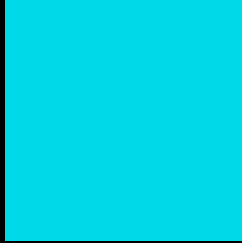
Large Text (above 18pt) WCAG AA × Fail

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 55.9690, 0.2194, 0.3098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

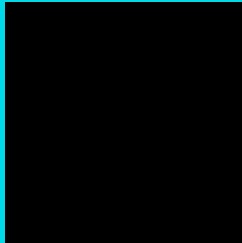
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.9690, 0.2194, 0.3098

Background



This preview shows how black text looks on a background with the Yxy color 55.9690, 0.2194, 0.3098.



This preview shows how white text looks on a background with the Yxy color 55.9690, 0.2194, 0.3098.

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

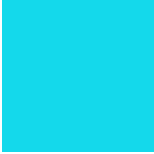
55.9690, 0.2194, 0.3098

Protanopia

54.9308, 0.2954, 0.3016

Deuteranopia

54.9040, 0.2819, 0.2749



Tritanopia

55.7726, 0.2190, 0.3046

Trichromacy



Original Color

55.9690, 0.2194, 0.3098



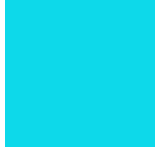
Protanomaly

52.1968, 0.2485, 0.3038



Deuteranomaly

52.1145, 0.2416, 0.2840



Tritanomaly

55.6518, 0.2189, 0.3058

Monochromacy



Original Color

55.9690, 0.2194, 0.3098



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

37.4184, 0.2505, 0.3210

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.9690, 0.2194, 0.3098 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(0, 218, 232)` looks like.

```
.text, #text, p{  
    color:rgb(0, 218, 232)  
}
```

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(0, 218, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 218, 232) }
```

Border

The CSS property to change the border of an element to Yxy 55.9690, 0.2194, 0.3098 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(0, 218, 232) }
```

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

```
.border{ border-color:rgb(0, 218, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 218, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 218, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 218, 232);  
box-shadow:4px 4px 4px 4px rgb(0, 218,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 55.9690, 0.2194, 0.3098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 218, 232) }
```

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

```
.background{ background-color: rgb(0, 218,  
232) }
```

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