

Converting Colors

$Y_{xy}(54.0172, 0.1616, 0.3579)$

Have a look what the booklet for
Yxy(54.0172, 0.1616, 0.3579)
contains.

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Color

Yxy(62.5683, 0.2315, 0.3533)

Conversions

Conversions Part 1

Format	Color
Hex	01E8D6
RGB	1, 232, 214
RGB Percent	0%, 91%, 84%
CMY	0.9980, 0.0902, 0.1608
CMYK	1.00, 0.00, 0.08, 0.09
HSL	175°, 100%, 46%
HSV	175°, 100%, 91%
XYZ	40.9979, 62.5683, 73.5306
YIQ	160.8790, -131.8980, -54.5700

Conversions

Conversions Part 2

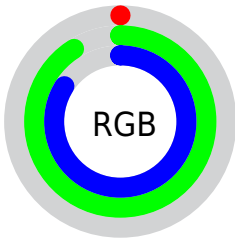
Format	Color
R_{YB}	1, 121, 232
Decimal	125142
CIE _{Lab}	83.21, -49.86, -4.41
CIE _{LCh}	83, 50.059, 185.053
Yxy	62.5683, 0.2315, 0.3533
Android (android.graphics.Color)	4278315222 (0xFF01E8D6)
YUV	160.8790, 26.1887, -140.2139
Hunter-Lab	79.1001, -45.9080, 0.2548

Details

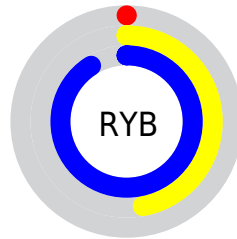
The Yxy color **62.5683, 0.2315, 0.3533** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **17.2120, 0.6329, 0.3262**, and the grayscale version is **35.4311, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2507, 0.2423, 0.3288**, and **33.1631, 0.2326, 0.3573** is the 20% darker color. If you saturate the color by 10%, you get **62.5653, 0.2315, 0.3534**, and if you desaturate by 10%, it is **62.8507, 0.2321, 0.3507**.

Distribution



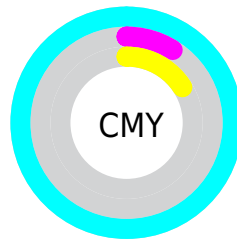
- Red (0%)
- Green (91%)
- Blue (84%)



- Red (0%)
- Yellow (47%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (9%)




- Cyan (100%)
- Magenta (9%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.5683, 0.2315, 0.3533 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 62.5683, 0.2315, 0.3533 by changing the saturation by 10% instead.

 62.5683, 0.2315,
0.3533

 62.5683, 0.2315,
0.3533


434.0011, 0.2694,
0.3424

 45.4921, 0.2228,
0.3556


 108.5465, 0.2447,
0.3496


 31.8452, 0.2122,
0.3585


 138.2172, 0.2498,
0.3482


 21.2433, 0.1987,
0.3619


 172.8548, 0.2542,
0.3469

 13.3019, 0.1813,
0.3661

 212.8438, 0.2580,
0.3458

 7.6368, 0.1580,
0.3713

 258.5685, 0.2614,
0.3448

 3.8634, 0.1257,
0.3775

310.4134, 0.2643,

 1.5975, 0.0432,

0.3439

0.3986

368.7628, 0.2670,
0.3432

■ 0.3559, 0.0000,
0.3384

■ 0.0000, 0.0000,
0.0000

■ 62.5683, 0.2315,
0.3533

■ 62.5683, 0.2315,
0.3533

■ 62.5653, 0.2315,
0.3534

■ 62.8507, 0.2321,
0.3507

■ 63.3560, 0.2342,
0.3481

■ 64.1547, 0.2381,
0.3454

■ 65.2877, 0.2440,
0.3428

■ 66.7892, 0.2518,
0.3402

■ 68.6893, 0.2614,
0.3376

■ 71.0149, 0.2726,
0.3352

■ 73.7907, 0.2852,
0.3330

■ 77.0393, 0.2987,
0.3309

Harmonies

Analogous

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



62.5683, 0.2814, 0.4146



62.5683, 0.2315, 0.3533



62.5683, 0.2044, 0.2909

Triad

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



62.5683, 0.2315, 0.3533



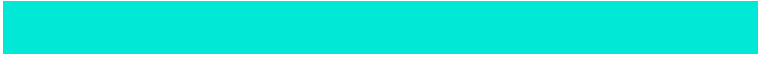
62.5683, 0.2732, 0.2365



62.5683, 0.4341, 0.3952

Complementary

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



62.5683, 0.2315, 0.3533



17.2120, 0.6329, 0.3262

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.



62.5683, 0.4346, 0.3475



62.5683, 0.2315, 0.3533



62.5683, 0.3358, 0.2611

Square

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



62.5683, 0.2315, 0.3533



62.5683, 0.2266, 0.2312



62.5683, 0.3974, 0.3003



62.5683, 0.3991, 0.4332

Rectangle

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



62.5683, 0.2315, 0.3533



62.5683, 0.2006, 0.2599



62.5683, 0.3974, 0.3003



62.5683, 0.4386, 0.3798

Sweetspot

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



62.5707, 0.2315, 0.3533



87.8869, 0.2722, 0.3353



57.8603, 0.3015, 0.5987



18.5377, 0.2673, 0.3363



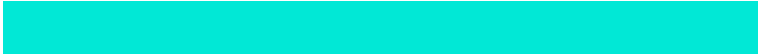
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



62.5707, 0.2315, 0.3533



77.5279, 0.2315, 0.3535



23.3099, 0.1847, 0.1847



16.3160, 0.2992, 0.3308



34.7429, 0.2314, 0.3529



2.5732, 0.2303, 0.3491

Inverse Universe

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



17.2120, 0.6329, 0.3262



21.3099, 0.6338, 0.3265



25.6994, 0.5668, 0.3879



14.3861, 0.3280, 0.3272



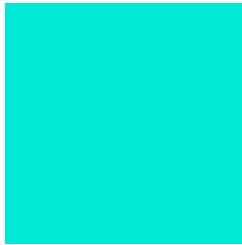
9.5556, 0.6314, 0.3252



0.7125, 0.6089, 0.3128

Previews

White Background



This preview shows how the Yxy color 62.5683, 0.2315, 0.3533 looks on a white background.

Color Contrast Check

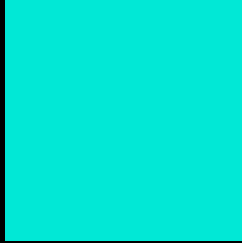
Large Text (above 18pt) WCAG AA × Fail

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 62.5683, 0.2315, 0.3533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

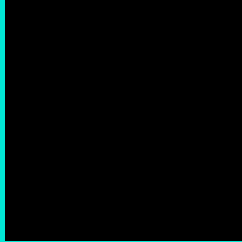
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.5683, 0.2315, 0.3533

Background



This preview shows how black text looks on a background with the Yxy color 62.5683, 0.2315, 0.3533.

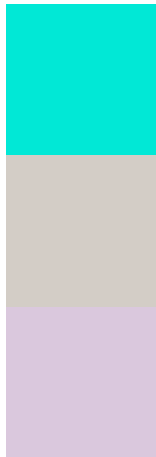


This preview shows how white text looks on a background with the Yxy color 62.5683, 0.2315, 0.3533.

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

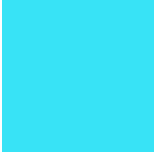
62.5747, 0.2315, 0.3533

Protanopia

61.5887, 0.3223, 0.3371

Deuteranopia

61.4344, 0.3115, 0.3056



Tritanopia

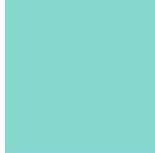
62.4327, 0.2231, 0.3046

Trichromacy



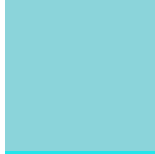
Original Color

62.5747, 0.2315, 0.3533



Protanomaly

58.0288, 0.2664, 0.3433



Deuteranomaly

57.6379, 0.2610, 0.3212



Tritanomaly

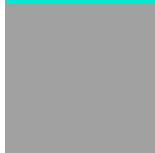
62.3542, 0.2253, 0.3222

Monochromacy



Original Color

62.5747, 0.2315, 0.3533



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

41.7195, 0.2572, 0.3395

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.5683, 0.2315, 0.3533 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(1, 232, 214)` looks like.

```
.text, #text, p{  
    color:rgb(1, 232, 214)  
}
```

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(1, 232, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 232, 214) }
```

Border

The CSS property to change the border of an element to Yxy 62.5683, 0.2315, 0.3533 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(1, 232, 214) }
```

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

```
.border{ border-color:rgb(1, 232, 214) }
```

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

Here you see how a box with a 4 pixel rgb(1, 232, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 232, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 232, 214);  
box-shadow:4px 4px 4px 4px rgb(1, 232,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 62.5683, 0.2315, 0.3533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 232, 214) }
```

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

```
.background{ background-color: rgb(1, 232,  
214) }
```

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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