

Converting Colors

$Yxy(56.1447, 0.2351, 0.3662)$

Have a look what the booklet for
Yxy(56.1447, 0.2351, 0.3662)
contains.

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Color

Yxy(56.2345, 0.2352, 0.3663)

Conversions

Conversions Part 1

Format	Color
Hex	02DEC4
RGB	2, 222, 196
RGB Percent	1%, 87%, 77%
CMY	0.9917, 0.1295, 0.2314
CMYK	0.99, 0.00, 0.12, 0.13
HSL	173°, 98%, 44%
HSV	173°, 99%, 87%
XYZ	36.1080, 56.2345, 61.1779
YIQ	153.2560, -122.7740, -54.7260

Conversions

Conversions Part 2

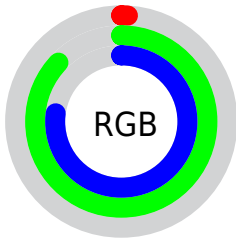
Format	Color
R_{YB}	2, 119, 222
Decimal	188100
CIE Lab	79.75, -50.58, 0.05
CIE LCh	80, 50.578, 179.947
Yxy	56.2345, 0.2352, 0.3663
Android (android.graphics.Color)	4278378180 (0xFF02DEC4)
YUV	153.2560, 21.0728, -132.6515
Hunter-Lab	74.9897, -45.2831, 4.1230

Details

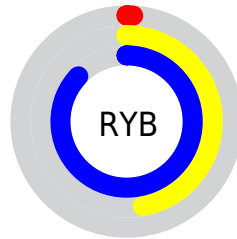
The Yxy color **56.2345, 0.2352, 0.3663** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed cyan. A complement of this color would be **15.6586, 0.6253, 0.3226**, and the grayscale version is **31.9339, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8631, 0.2419, 0.3311**, and **29.2254, 0.2374, 0.3747** is the 20% darker color. If you saturate the color by 10%, you get **56.2115, 0.2352, 0.3667**, and if you desaturate by 10%, it is **56.5417, 0.2356, 0.3622**.

Distribution



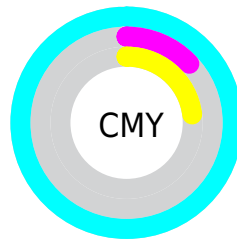
- Red (1%)
- Green (87%)
- Blue (77%)



- Red (1%)
- Yellow (47%)
- Blue (87%)



- Cyan (99%)
- Magenta (0%)
- Yellow (12%)
- Black (13%)



- Cyan (99%)
- Magenta (13%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.2345, 0.2352, 0.3663 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 56.2345, 0.2352, 0.3663 by changing the saturation by 10% instead.


 56.2345, 0.2352,
0.3663

 56.2345, 0.2352,
0.3663


410.5746, 0.2723,
0.3485

 40.3910, 0.2265,
0.3705

 99.3474, 0.2483,
0.3600

 27.8435, 0.2156,
0.3758


 127.3855, 0.2533,
0.3576


 18.2077, 0.2016,
0.3825


 160.2572, 0.2576,
0.3555

 11.0992, 0.1831,
0.3914

 198.3470, 0.2614,
0.3537

 6.1336, 0.1577,
0.4036

 242.0393, 0.2646,
0.3522

 2.9265, 0.1213,
0.4211

291.7184, 0.2675,

 1.0935, 0.0000,

0.3508

0.4795

347.7687, 0.2700,
0.3495

■ 0.0000, 0.0000,
0.0000

■ 56.2345, 0.2352,
0.3663

■ 56.2345, 0.2352,
0.3663

■ 56.2115, 0.2352,
0.3667

■ 56.5417, 0.2356,
0.3622

■ 57.0592, 0.2375,
0.3581

■ 57.8460, 0.2413,
0.3540

■ 58.9380, 0.2471,
0.3499

■ 60.3656, 0.2548,
0.3458

■ 62.1555, 0.2642,
0.3420

■ 64.3317, 0.2751,
0.3383

■ 66.9163, 0.2872,
0.3348

■ 69.9294, 0.3003,
0.3316

Harmonies

Analogous

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



56.2345, 0.2902, 0.4274



56.2345, 0.2352, 0.3663



56.2345, 0.2028, 0.2987

Triad

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



56.2345, 0.2352, 0.3663



56.2345, 0.2616, 0.2303



56.2345, 0.4425, 0.3893

Complementary

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



56.2345, 0.2352, 0.3663



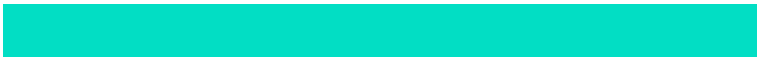
15.6586, 0.6253, 0.3226

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.



56.2345, 0.4364, 0.3392



56.2345, 0.2352, 0.3663



56.2345, 0.3250, 0.2527

Square

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



56.2345, 0.2352, 0.3663



56.2345, 0.2170, 0.2284



56.2345, 0.3915, 0.2912



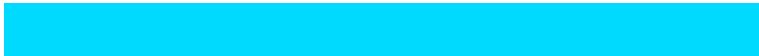
56.2345, 0.4109, 0.4321

Rectangle

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



56.2345, 0.2352, 0.3663



56.2345, 0.1959, 0.2638



56.2345, 0.3915, 0.2912



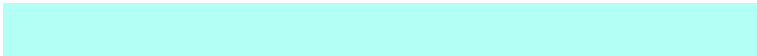
56.2345, 0.4450, 0.3729

Sweetspot

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



56.2366, 0.2352, 0.3663



87.6955, 0.2737, 0.3387



52.5400, 0.3034, 0.5968



18.4912, 0.2690, 0.3403



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.



56.2366, 0.2352, 0.3663



76.9487, 0.2353, 0.3670



24.4473, 0.1901, 0.2040



15.5430, 0.2998, 0.3318



33.4028, 0.2350, 0.3661



2.3233, 0.2333, 0.3598

Inverse Universe

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



15.6586, 0.6253, 0.3226



21.3544, 0.6284, 0.3235



21.6800, 0.5787, 0.3778



13.7268, 0.3274, 0.3263



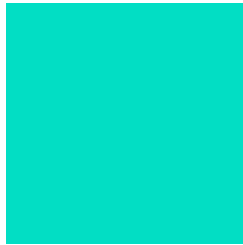
9.2777, 0.6250, 0.3216



0.6519, 0.5923, 0.3037

Previews

White Background



This preview shows how the Yxy color 56.2345, 0.2352, 0.3663 looks on a white background.

Color Contrast Check

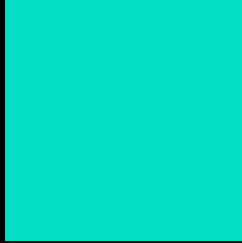
Large Text (above 18pt) WCAG AA × Fail

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 56.2345, 0.2352, 0.3663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

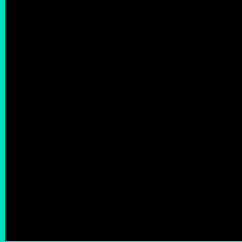
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

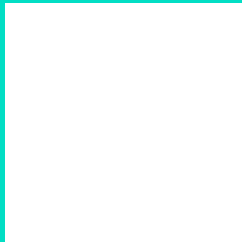
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.2345, 0.2352, 0.3663

Background



This preview shows how black text looks on a background with the Yxy color 56.2345, 0.2352, 0.3663.



This preview shows how white text looks on a background with the Yxy color 56.2345, 0.2352, 0.3663.

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

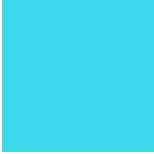
56.2410, 0.2352, 0.3663

Protanopia

55.0629, 0.3298, 0.3460

Deuteranopia

55.1358, 0.3208, 0.3139



Tritanopia

56.4658, 0.2245, 0.3062

Trichromacy



Original Color

56.2410, 0.2352, 0.3663



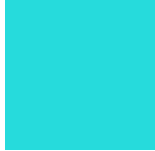
Protanomaly

51.9536, 0.2729, 0.3553



Deuteranomaly

51.6454, 0.2677, 0.3316



Tritanomaly

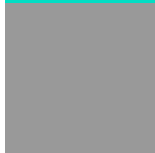
56.2424, 0.2273, 0.3274

Monochromacy



Original Color

56.2410, 0.2352, 0.3663



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

37.3020, 0.2587, 0.3432

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.2345, 0.2352, 0.3663 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(2, 222, 196)` looks like.

```
.text, #text, p{  
    color:rgb(2, 222, 196)  
}
```

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(2, 222, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 222, 196) }
```

Border

The CSS property to change the border of an element to Yxy 56.2345, 0.2352, 0.3663 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(2, 222, 196) }
```

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

```
.border{ border-color:rgb(2, 222, 196) }
```

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

Here you see how a box with a 4 pixel rgb(2, 222, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 222, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 222, 196);  
box-shadow:4px 4px 4px 4px rgb(2, 222,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 56.2345, 0.2352, 0.3663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 222, 196) }
```

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

```
.background{ background-color: rgb(2, 222,  
196) }
```

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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