

Converting Colors

$Yxy(56.1452, 0.2342, 0.3532)$

Have a look what the booklet for
Yxy(56.1452, 0.2342, 0.3532)
contains.

Yxy(56.3648, 0.2345, 0.3543)	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

Yxy(56.3648, 0.2345, 0.3543)

Conversions

Conversions Part 1

Format	Color
Hex	22DDCB
RGB	34, 221, 203
RGB Percent	13%, 87%, 80%
CMY	0.8650, 0.1334, 0.2039
CMYK	0.84, 0.00, 0.08, 0.13
HSL	174°, 73%, 50%
HSV	174°, 84%, 87%
XYZ	37.3061, 56.3648, 65.4169
YIQ	163.0350, -105.6740, -45.2420

Conversions

Conversions Part 2

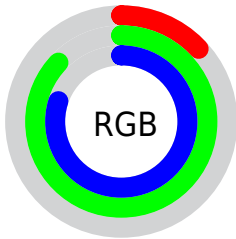
Format	Color
RYB	34, 132, 221
Decimal	2285003
CIELab	79.82, -46.93, -3.55
CIElCh	80, 47.069, 184.329
Yxy	56.3648, 0.2345, 0.3543
Android (android.graphics.Color)	4280475083 (0xFF22DDCB)
YUV	163.0350, 19.7027, -113.1637
Hunter-Lab	75.0765, -42.6859, 0.8920

Details

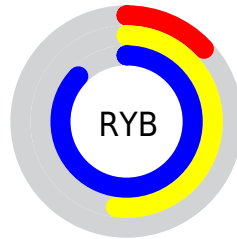
The Yxy color **56.3648, 0.2345, 0.3543** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **16.7902, 0.5885, 0.3185**, and the grayscale version is **36.6453, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **29.0802, 0.2331, 0.3590** is the 20% darker color. If you saturate the color by 10%, you get **55.9993, 0.2333, 0.3576**, and if you desaturate by 10%, it is **56.9777, 0.2375, 0.3510**.

Distribution



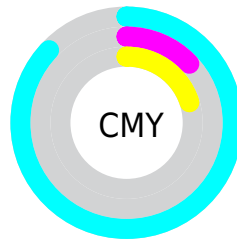
- Red (13%)
- Green (87%)
- Blue (80%)



- Red (13%)
- Yellow (52%)
- Blue (87%)



- Cyan (84%)
- Magenta (0%)
- Yellow (8%)
- Black (13%)





- Cyan (87%)
- Magenta (13%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.3648, 0.2345, 0.3543 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 56.3648, 0.2345, 0.3543 by changing the saturation by 10% instead.


 56.3648, 0.2345,
0.3543

 56.3648, 0.2345,
0.3543


411.0648, 0.2717,
0.3426


 40.4955, 0.2258,
0.3569

 99.5378, 0.2476,
0.3503


 27.9251, 0.2150,
0.3601


 127.6102, 0.2526,
0.3487

 18.2692, 0.2011,
0.3641

 160.5191, 0.2569,
0.3474

 11.1434, 0.1829,
0.3691

 198.6489, 0.2607,
0.3462

 6.1634, 0.1581,
0.3754

 242.3840, 0.2640,
0.3451

 2.9447, 0.1229,
0.3834

292.1087, 0.2669,

 1.1029, 0.0000,

0.3442

0.4218

348.2075, 0.2694,
0.3434

■ 0.0000, 0.0000,
0.0000

■ 56.3648, 0.2345,
0.3543

■ 56.3648, 0.2345,
0.3543

■ 55.9993, 0.2333,
0.3576

■ 56.9777, 0.2375,
0.3510

■ 55.8632, 0.2332,
0.3594

■ 57.8715, 0.2423,
0.3477

■ 59.0810, 0.2492,
0.3444

■ 60.6345, 0.2578,
0.3412

■ 62.5570, 0.2681,
0.3381

■ 64.8712, 0.2799,
0.3352

■ 67.5982, 0.2927,
0.3325

■ 70.7573, 0.3065,
0.3300

■ 74.3667, 0.3207,
0.3278

Harmonies

Analogous

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



56.3648, 0.2837, 0.4132



56.3648, 0.2345, 0.3543



56.3648, 0.2073, 0.2933

Triad

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



56.3648, 0.2345, 0.3543



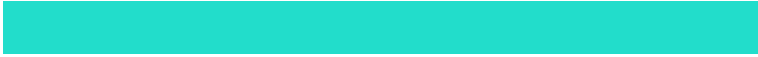
56.3648, 0.2729, 0.2382



56.3648, 0.4315, 0.3929

Complementary

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



56.3648, 0.2345, 0.3543



16.7902, 0.5885, 0.3185

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.



56.3648, 0.4309, 0.3462



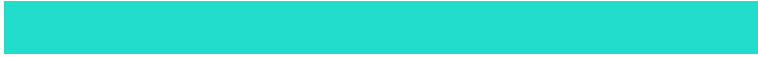
56.3648, 0.2345, 0.3543



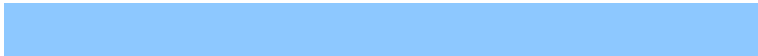
56.3648, 0.3338, 0.2619

Square

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



56.3648, 0.2345, 0.3543



56.3648, 0.2278, 0.2336



56.3648, 0.3939, 0.3000



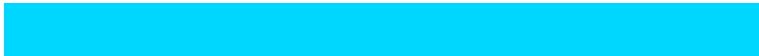
56.3648, 0.3982, 0.4300

Rectangle

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



56.3648, 0.2345, 0.3543



56.3648, 0.2031, 0.2627



56.3648, 0.3939, 0.3000



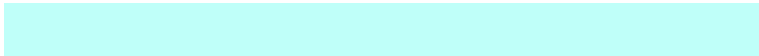
56.3648, 0.4355, 0.3778

Sweetspot

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



56.3669, 0.2345, 0.3543



89.4594, 0.2789, 0.3354



52.5844, 0.3054, 0.5814



18.8950, 0.2746, 0.3364



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.



56.3669, 0.2345, 0.3543



77.2569, 0.2332, 0.3597



26.2365, 0.1964, 0.2142



14.8068, 0.2995, 0.3312



32.4644, 0.2330, 0.3589



2.1096, 0.2315, 0.3535

Inverse Universe

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



16.7902, 0.5885, 0.3185



21.3284, 0.6316, 0.3253



26.4358, 0.5328, 0.3958



13.0718, 0.3277, 0.3268



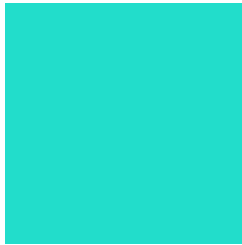
8.9695, 0.6284, 0.3235



0.5882, 0.5987, 0.3072

Previews

White Background



This preview shows how the Yxy color 56.3648, 0.2345, 0.3543 looks on a white background.

Color Contrast Check

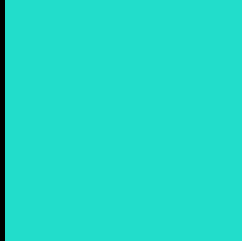
Large Text (above 18pt) WCAG AA × Fail

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 56.3648, 0.2345, 0.3543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

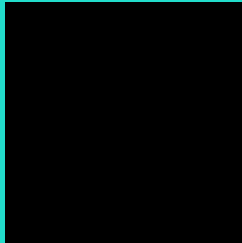
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

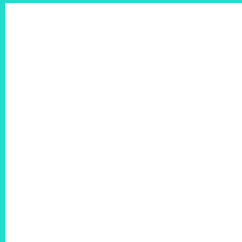
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.3648, 0.2345, 0.3543

Background



This preview shows how black text looks on a background with the Yxy color 56.3648, 0.2345, 0.3543.

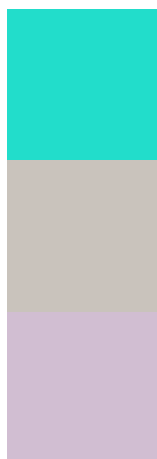


This preview shows how white text looks on a background with the Yxy color 56.3648, 0.2345, 0.3543.

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

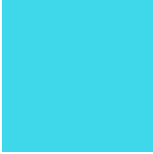
56.3648, 0.2345, 0.3543

Protanopia

55.0786, 0.3228, 0.3375

Deuteranopia

55.0354, 0.3130, 0.3057



Tritanopia

56.0764, 0.2250, 0.3048

Trichromacy



Original Color

56.3648, 0.2345, 0.3543



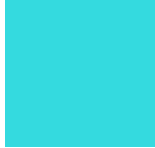
Protanomaly

52.6114, 0.2747, 0.3438



Deuteranomaly

52.3893, 0.2696, 0.3210



Tritanomaly

56.2006, 0.2280, 0.3219

Monochromacy



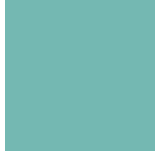
Original Color

56.3648, 0.2345, 0.3543



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

41.2083, 0.2655, 0.3379

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.3648, 0.2345, 0.3543 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(34, 221, 203)` looks like.

```
.text, #text, p{  
    color:rgb(34, 221, 203)  
}
```

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(34, 221, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 221, 203) }
```

Border

The CSS property to change the border of an element to Yxy 56.3648, 0.2345, 0.3543 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(34, 221, 203) }
```

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

```
.border{ border-color:rgb(34, 221, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 221, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 221, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 221, 203);  
box-shadow:4px 4px 4px 4px rgb(34, 221,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 56.3648, 0.2345, 0.3543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 221, 203) }
```

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

```
.background{ background-color: rgb(34, 221,  
203) }
```

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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