

Converting Colors

$Yxy(56.3747, 0.2332, 0.3465)$

Have a look what the booklet for
Yxy(56.3747, 0.2332, 0.3465)
contains.

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Color

Yxy(56.2119, 0.2330, 0.3456)

Conversions

Conversions Part 1

Format	Color
Hex	29DCD0
RGB	41, 220, 208
RGB Percent	16%, 86%, 82%
CMY	0.8388, 0.1373, 0.1842
CMYK	0.81, 0.00, 0.05, 0.14
HSL	176°, 72%, 51%
HSV	176°, 81%, 86%
XYZ	37.8975, 56.2119, 68.5408
YIQ	165.1110, -102.8320, -41.6800

Conversions

Conversions Part 2

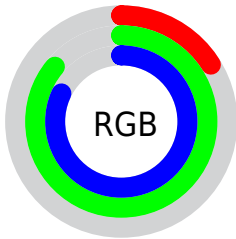
Format	Color
RYB	41, 134, 220
Decimal	2743504
CIELab	79.73, -44.64, -6.35
CIELCh	80, 45.086, 188.093
Yxy	56.2119, 0.2330, 0.3456
Android (android.graphics.Color)	4280933584 (0xFF29DCD0)
YUV	165.1110, 21.1443, -108.8453
Hunter-Lab	74.9746, -40.9790, -1.7199

Details

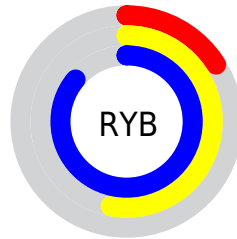
The Yxy color **56.2119, 0.2330, 0.3456** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **17.0660, 0.5834, 0.3216**, and the grayscale version is **37.6322, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8049, 0.2450, 0.3288**, and **28.8840, 0.2299, 0.3474** is the 20% darker color. If you saturate the color by 10%, you get **55.8078, 0.2311, 0.3478**, and if you desaturate by 10%, it is **56.8735, 0.2368, 0.3433**.

Distribution



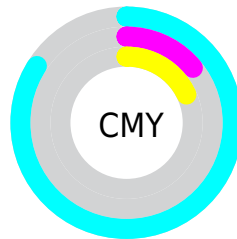
- Red (16%)
- Green (86%)
- Blue (82%)



- Red (16%)
- Yellow (53%)
- Blue (86%)



- Cyan (81%)
- Magenta (0%)
- Yellow (5%)
- Black (14%)





- Cyan (84%)
- Magenta (14%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.2119, 0.2330, 0.3456 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 56.2119, 0.2330, 0.3456 by changing the saturation by 10% instead.


 56.2119, 0.2330,
0.3456

 56.2119, 0.2330,
0.3456


410.4896, 0.2708,
0.3384


 40.3728, 0.2242,
0.3471


 99.3143, 0.2463,
0.3432

 27.8294, 0.2133,
0.3488


 127.3465, 0.2514,
0.3423

 18.1971, 0.1994,
0.3508


 160.2118, 0.2558,
0.3414

 11.0916, 0.1811,
0.3531

 198.2947, 0.2596,
0.3407

 6.1285, 0.1564,
0.3554

 241.9795, 0.2629,
0.3400

 2.9233, 0.1215,
0.3569

291.6507, 0.2658,

 1.0918, 0.0000,

0.3394

0.3808

347.6926, 0.2684,
0.3389

0.0000, 0.0000,
0.0000

56.2119, 0.2330,
0.3456

56.2119, 0.2330,
0.3456

55.8078, 0.2311,
0.3478

56.8735, 0.2368,
0.3433

55.6062, 0.2305,
0.3498

57.8229, 0.2425,
0.3411

59.0931, 0.2501,
0.3389

60.7110, 0.2595,
0.3367

62.7004, 0.2705,
0.3346

■ 65.0834, 0.2830,
0.3327

■ 67.8801, 0.2965,
0.3309

■ 71.1093, 0.3108,
0.3292

■ 74.7887, 0.3256,
0.3277

Harmonies

Analogous

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



56.2119, 0.2783, 0.4035



56.2119, 0.2330, 0.3456



56.2119, 0.2096, 0.2888

Triad

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



56.2119, 0.2330, 0.3456



56.2119, 0.2813, 0.2434



56.2119, 0.4244, 0.3961

Complementary

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



56.2119, 0.2330, 0.3456



17.0660, 0.5834, 0.3216

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.



56.2119, 0.4282, 0.3517



56.2119, 0.2330, 0.3456



56.2119, 0.3407, 0.2683

Square

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



56.2119, 0.2330, 0.3456



56.2119, 0.2354, 0.2365



56.2119, 0.3966, 0.3066



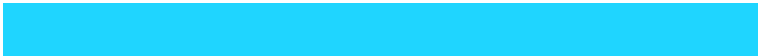
56.2119, 0.3894, 0.4292

Rectangle

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



56.2119, 0.2330, 0.3456



56.2119, 0.2076, 0.2611



56.2119, 0.3966, 0.3066



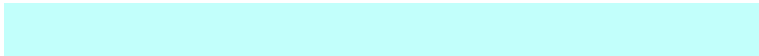
56.2119, 0.4296, 0.3819

Sweetspot

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



56.2140, 0.2330, 0.3456



89.9218, 0.2792, 0.3332



52.1872, 0.3051, 0.5764



18.9896, 0.2748, 0.3339



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.



56.2140, 0.2330, 0.3456



77.7420, 0.2306, 0.3495



26.0317, 0.1977, 0.2142



14.8137, 0.2991, 0.3305



32.6421, 0.2304, 0.3494



2.1193, 0.2294, 0.3458

Inverse Universe

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



17.0660, 0.5834, 0.3216



21.4280, 0.6320, 0.3268



27.7845, 0.5199, 0.3999



13.0656, 0.3281, 0.3275



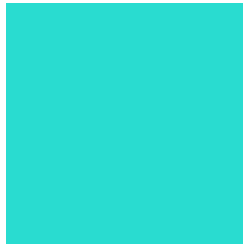
8.9555, 0.6325, 0.3258



0.5853, 0.6106, 0.3137

Previews

White Background



This preview shows how the Yxy color 56.2119, 0.2330, 0.3456 looks on a white background.

Color Contrast Check

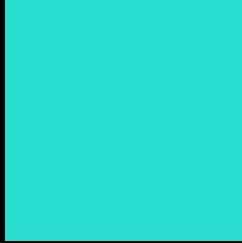
Large Text (above 18pt) WCAG AA × Fail

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 56.2119, 0.2330, 0.3456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

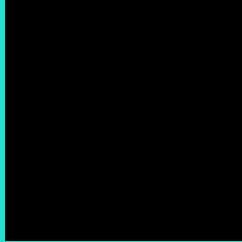
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

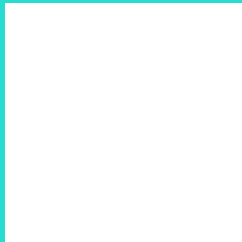
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.2119, 0.2330, 0.3456

Background



This preview shows how black text looks on a background with the Yxy color 56.2119, 0.2330, 0.3456.

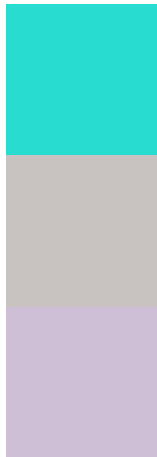


This preview shows how white text looks on a background with the Yxy color 56.2119, 0.2330, 0.3456.

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

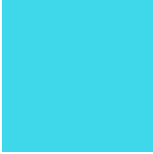
56.2119, 0.2330, 0.3456

Protanopia

55.1598, 0.3182, 0.3314

Deuteranopia

55.2385, 0.3076, 0.3022



Tritanopia

56.0764, 0.2250, 0.3048

Trichromacy



Original Color

56.2119, 0.2330, 0.3456



Protanomaly

53.0137, 0.2729, 0.3369



Deuteranomaly

53.1055, 0.2668, 0.3158



Tritanomaly

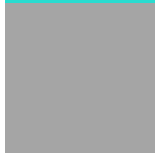
55.8462, 0.2273, 0.3179

Monochromacy



Original Color

56.2119, 0.2330, 0.3456



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

42.0272, 0.2664, 0.3348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.2119, 0.2330, 0.3456 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(41, 220, 208)` looks like.

```
.text, #text, p{  
    color:rgb(41, 220, 208)  
}
```

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(41, 220, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 220, 208) }
```

Border

The CSS property to change the border of an element to Yxy 56.2119, 0.2330, 0.3456 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(41, 220, 208) }
```

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

```
.border{ border-color:rgb(41, 220, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 220, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 220, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 220, 208);  
box-shadow:4px 4px 4px 4px rgb(41, 220,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 56.2119, 0.2330, 0.3456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 220, 208) }
```

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

```
.background{ background-color: rgb(41, 220,  
208) }
```

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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