

Converting Colors

$Y_{xy}(56.7505, 0.2362, 0.3441)$

Have a look what the booklet for
Yxy(56.7505, 0.2362, 0.3441)
contains.

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Color

Yxy(56.7505, 0.2362, 0.3441)

Conversions

Conversions Part 1

Format	Color
Hex	3CDCD1
RGB	60, 220, 209
RGB Percent	24%, 86%, 82%
CMY	0.7655, 0.1372, 0.1804
CMYK	0.73, 0.00, 0.05, 0.14
HSL	176°, 70%, 55%
HSV	176°, 73%, 86%
XYZ	38.9552, 56.7505, 69.2188
YIQ	170.9060, -91.8290, -37.3410

Conversions

Conversions Part 2

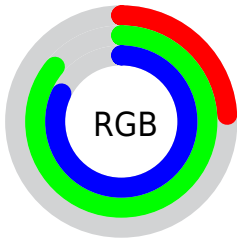
Format	Color
RYB	60, 143, 220
Decimal	3988689
CIELab	80.04, -42.56, -6.38
CIElCh	80, 43.035, 188.532
Yxy	56.7505, 0.2362, 0.3441
Android (android.graphics.Color)	4282178769 (0xFF3CDCD1)
YUV	170.9060, 18.7803, -97.2646
Hunter-Lab	75.3329, -39.5291, -1.7449

Details

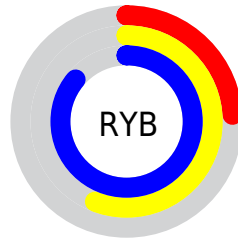
The Yxy color **56.7505, 0.2362, 0.3441** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **18.8811, 0.5466, 0.3200**, and the grayscale version is **40.5857, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5653, 0.2486, 0.3288**, and **28.9175, 0.2293, 0.3455** is the 20% darker color. If you saturate the color by 10%, you get **56.1319, 0.2327, 0.3464**, and if you desaturate by 10%, it is **57.6584, 0.2416, 0.3418**.

Distribution



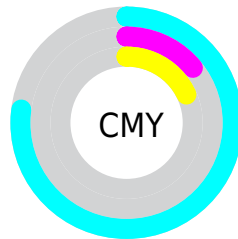
- Red (24%)
- Green (86%)
- Blue (82%)



- Red (24%)
- Yellow (56%)
- Blue (86%)



- Cyan (73%)
- Magenta (0%)
- Yellow (5%)
- Black (14%)





- Cyan (77%)
- Magenta (14%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.7505, 0.2362, 0.3441 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 56.7505, 0.2362, 0.3441 by changing the saturation by 10% instead.


 56.7505, 0.2362,
0.3441

 56.7505, 0.2362,
0.3441


412.5137, 0.2724,
0.3376

 40.8050, 0.2278,
0.3454

 100.1010, 0.2489,
0.3420


 28.1667, 0.2173,
0.3470


 128.2748, 0.2538,
0.3411

 18.4514, 0.2039,
0.3488


 161.2935, 0.2580,
0.3403

 11.2745, 0.1864,
0.3508

 199.5414, 0.2617,
0.3396

 6.2518, 0.1626,
0.3529

243.4030, 0.2649,
0.3390

 2.9988, 0.1288,
0.3541

293.2627, 0.2677,

 1.1311, 0.0058,

0.3385

349.5048, 0.2702,
0.3380

0.3791

0.0043, 0.0000,
0.0095

0.0000, 0.0000,
0.0000

56.7505, 0.2362,
0.3441

56.7505, 0.2362,
0.3441

56.1319, 0.2327,
0.3464

57.6584, 0.2416,
0.3418

55.7582, 0.2311,
0.3487

58.8807, 0.2489,
0.3395


55.5972, 0.2307,
0.3504

60.4469, 0.2580,
0.3372


62.3814, 0.2688,
0.3351

 64.7063, 0.2811,
0.3331

 67.4421, 0.2944,
0.3312

 70.6078, 0.3086,
0.3295

 74.2212, 0.3233,
0.3279

 77.7621, 0.3363,
0.3265

Harmonies

Analogous

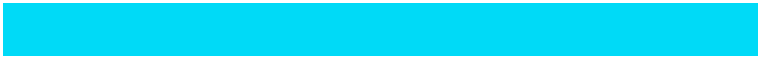
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.7505, 0.2794, 0.3989



56.7505, 0.2362, 0.3441



56.7505, 0.2139, 0.2903

Triad

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



56.7505, 0.2362, 0.3441



56.7505, 0.2837, 0.2473



56.7505, 0.4190, 0.3941

Complementary

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



56.7505, 0.2362, 0.3441



18.8811, 0.5466, 0.3200

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.



56.7505, 0.4227, 0.3518



56.7505, 0.2362, 0.3441



56.7505, 0.3404, 0.2715

Square

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



56.7505, 0.2362, 0.3441



56.7505, 0.2393, 0.2405



56.7505, 0.3932, 0.3084



56.7505, 0.3854, 0.4249

Rectangle

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



56.7505, 0.2362, 0.3441



56.7505, 0.2122, 0.2639



56.7505, 0.3932, 0.3084



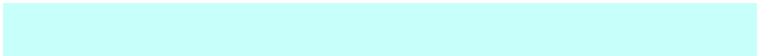
56.7505, 0.4239, 0.3806

Sweetspot

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



56.7527, 0.2362, 0.3441



90.6224, 0.2819, 0.3330



52.9414, 0.3069, 0.5571



19.1927, 0.2784, 0.3335



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.



56.7527, 0.2362, 0.3441



78.1217, 0.2317, 0.3476



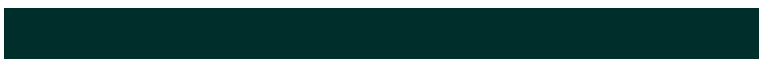
28.9894, 0.2061, 0.2280



14.8133, 0.2991, 0.3306



32.6307, 0.2306, 0.3500



2.1187, 0.2295, 0.3463

Inverse Universe

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



18.8811, 0.5466, 0.3200



22.5729, 0.6058, 0.3231



30.6062, 0.4941, 0.3994



13.0660, 0.3281, 0.3274



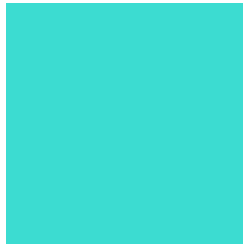
8.9563, 0.6322, 0.3257



0.5854, 0.6098, 0.3133

Previews

White Background



This preview shows how the Yxy color 56.7505, 0.2362, 0.3441 looks on a white background.

Color Contrast Check

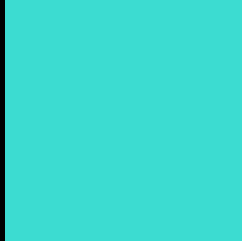
Large Text (above 18pt) WCAG AA × Fail

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 56.7505, 0.2362, 0.3441 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

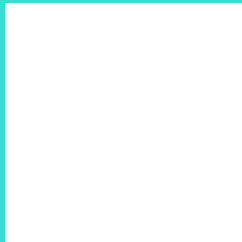
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.7505, 0.2362, 0.3441

Background



This preview shows how black text looks on a background with the Yxy color 56.7505, 0.2362, 0.3441.

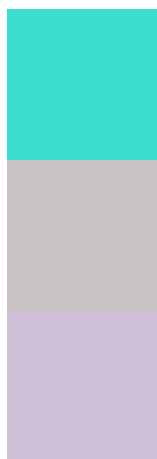


This preview shows how white text looks on a background with the Yxy color 56.7505, 0.2362, 0.3441.

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

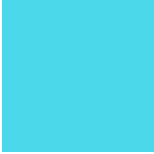
56.7505, 0.2362, 0.3441

Protanopia

55.8375, 0.3174, 0.3302

Deuteranopia

55.4333, 0.3077, 0.3012



Tritanopia

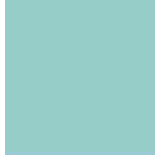
56.5481, 0.2282, 0.3050

Trichromacy



Original Color

56.7505, 0.2362, 0.3441



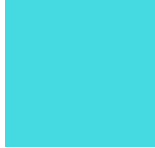
Protanomaly

54.3168, 0.2769, 0.3355



Deuteranomaly

53.8175, 0.2706, 0.3147



Tritanomaly

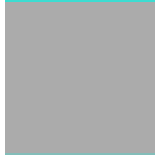
56.3272, 0.2307, 0.3180

Monochromacy



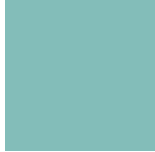
Original Color

56.7505, 0.2362, 0.3441



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

44.7233, 0.2717, 0.3346

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.7505, 0.2362, 0.3441 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(60, 220, 209)` looks like.

```
.text, #text, p{  
    color:rgb(60, 220, 209)  
}
```

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(60, 220, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 220, 209) }
```

Border

The CSS property to change the border of an element to Yxy 56.7505, 0.2362, 0.3441 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(60, 220, 209) }
```

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

```
.border{ border-color:rgb(60, 220, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 220, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 220, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 220, 209);  
box-shadow:4px 4px 4px 4px rgb(60, 220,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 56.7505, 0.2362, 0.3441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 220, 209) }
```

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

```
.background{ background-color: rgb(60, 220,  
209) }
```

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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