

Converting Colors

$Yxy(56.5263, 0.2405, 0.3490)$

Have a look what the booklet for
Yxy(56.5263, 0.2405, 0.3490)
contains.

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Color

Yxy(56.3729, 0.2402, 0.3483)

Conversions

Conversions Part 1

Format	Color
Hex	46DBCD
RGB	70, 219, 205
RGB Percent	27%, 86%, 80%
CMY	0.7256, 0.1412, 0.1960
CMYK	0.68, 0.00, 0.06, 0.14
HSL	174°, 67%, 57%
HSV	174°, 68%, 86%
XYZ	38.8767, 56.3729, 66.6019
YIQ	172.8530, -84.3100, -35.9420

Conversions

Conversions Part 2

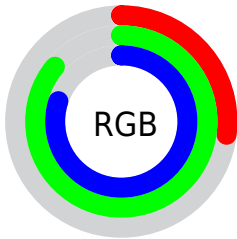
Format	Color
RYB	70, 148, 219
Decimal	4643789
CIELab	79.83, -41.89, -4.56
CIELCh	80, 42.135, 186.210
Yxy	56.3729, 0.2402, 0.3483
Android (android.graphics.Color)	4282833869 (0xFF46DBCD)
YUV	172.8530, 15.8485, -90.2021
Hunter-Lab	75.0819, -38.9676, -0.0363

Details

The Yxy color **56.3729, 0.2402, 0.3483** 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 **20.0770, 0.5190, 0.3157**, and the grayscale version is **41.6581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0584, 0.2508, 0.3288**, and **28.4288, 0.2310, 0.3514** is the 20% darker color. If you saturate the color by 10%, you get **55.6055, 0.2360, 0.3515**, and if you desaturate by 10%, it is **57.4427, 0.2463, 0.3451**.

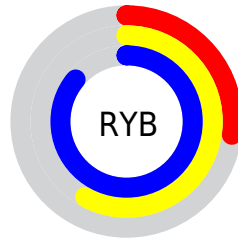
Distribution



Red (27%)

Green (86%)

Blue (80%)



Red (27%)

Yellow (58%)

Blue (86%)

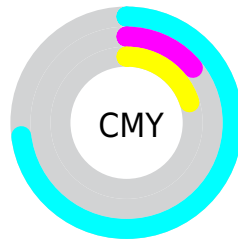


Cyan (68%)

Magenta (0%)

Yellow (6%)

Black (14%)



Cyan (73%)

Magenta (14%)

Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.3729, 0.2402, 0.3483 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 56.3729, 0.2402, 0.3483 by changing the saturation by 10% instead.


 56.3729, 0.2402,
0.3483

 56.3729, 0.2402,
0.3483


411.0953, 0.2747,
0.3396


 40.5020, 0.2321,
0.3502

 99.5496, 0.2523,
0.3453

 27.9301, 0.2220,
0.3525


 127.6241, 0.2570,
0.3441

 18.2730, 0.2092,
0.3554


 160.5354, 0.2610,
0.3431

 11.1462, 0.1922,
0.3589

 198.6676, 0.2645,
0.3422

 6.1652, 0.1689,
0.3632

242.4054, 0.2675,
0.3414

 2.9458, 0.1354,
0.3682

292.1330, 0.2702,

 1.1035, 0.0042,

0.3407

0.4050

348.2348, 0.2726,
0.3401

0.0000, 0.0000,
0.0000

56.3729, 0.2402,
0.3483

56.3729, 0.2402,
0.3483

55.6055, 0.2360,
0.3515

57.4427, 0.2463,
0.3451

55.0999, 0.2337,
0.3547

58.8374, 0.2544,
0.3420


54.8096, 0.2330,
0.3579

60.5846, 0.2641,
0.3389

54.7635, 0.2329,
0.3585


62.7075, 0.2754,
0.3360

65.2271, 0.2879,
0.3333

 68.1628, 0.3014,
0.3309

 71.5328, 0.3155,
0.3286

 75.3544, 0.3300,
0.3265

 77.2807, 0.3358,
0.3245

Harmonies

Analogous

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



56.3729, 0.2840, 0.4009



56.3729, 0.2402, 0.3483



56.3729, 0.2165, 0.2947

Triad

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



56.3729, 0.2402, 0.3483



56.3729, 0.2803, 0.2474



56.3729, 0.4185, 0.3901

Complementary

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



56.3729, 0.2402, 0.3483



20.0770, 0.5190, 0.3157

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.



56.3729, 0.4196, 0.3482



56.3729, 0.2402, 0.3483



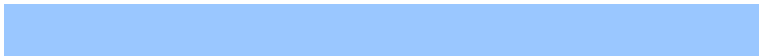
56.3729, 0.3355, 0.2701

Square

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



56.3729, 0.2402, 0.3483



56.3729, 0.2380, 0.2423



56.3729, 0.3882, 0.3057



56.3729, 0.3875, 0.4215

Rectangle

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



56.3729, 0.2402, 0.3483



56.3729, 0.2135, 0.2677



56.3729, 0.3882, 0.3057



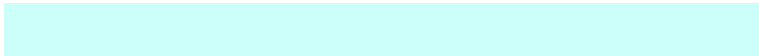
56.3729, 0.4225, 0.3767

Sweetspot

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



56.3751, 0.2402, 0.3483



91.2730, 0.2852, 0.3339



53.0325, 0.3090, 0.5431



19.3153, 0.2816, 0.3347



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.



56.3751, 0.2402, 0.3483



78.1187, 0.2347, 0.3530



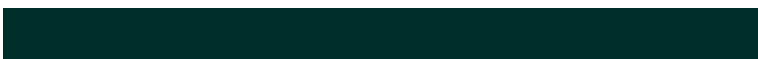
31.3469, 0.2125, 0.2398



14.8074, 0.2995, 0.3312



32.4796, 0.2328, 0.3581



2.1105, 0.2314, 0.3528

Inverse Universe

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



20.0770, 0.5190, 0.3157



23.5939, 0.5825, 0.3183



31.3577, 0.4815, 0.3948



13.0713, 0.3277, 0.3268



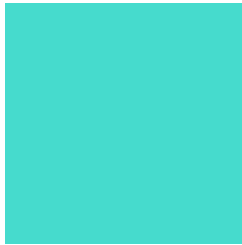
8.9681, 0.6288, 0.3238



0.5880, 0.5997, 0.3077

Previews

White Background



This preview shows how the Yxy color 56.3729, 0.2402, 0.3483 looks on a white background.

Color Contrast Check

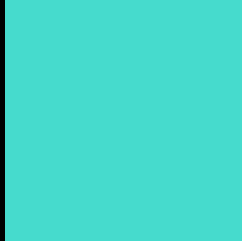
Large Text (above 18pt) WCAG AA × Fail

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 56.3729, 0.2402, 0.3483 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

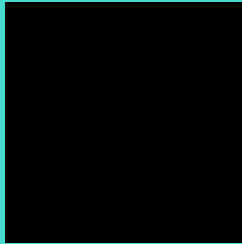
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

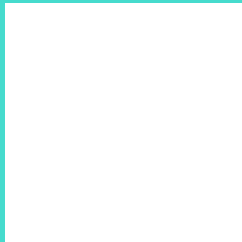
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.3729, 0.2402, 0.3483

Background



This preview shows how black text looks on a background with the Yxy color 56.3729, 0.2402, 0.3483.

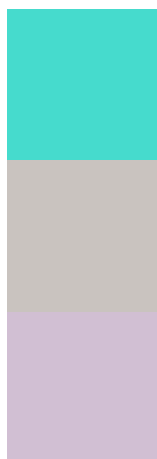


This preview shows how white text looks on a background with the Yxy color 56.3729, 0.2402, 0.3483.

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

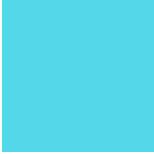
56.3729, 0.2402, 0.3483

Protanopia

55.2093, 0.3205, 0.3339

Deuteranopia

55.5201, 0.3122, 0.3058



Tritanopia

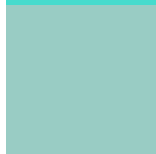
56.3119, 0.2313, 0.3064

Trichromacy



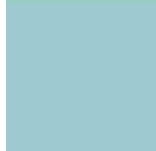
Original Color

56.3729, 0.2402, 0.3483



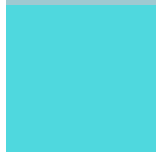
Protanomaly

53.9436, 0.2812, 0.3394



Deuteranomaly

53.6458, 0.2762, 0.3186



Tritanomaly

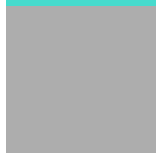
56.0479, 0.2344, 0.3207

Monochromacy



Original Color

56.3729, 0.2402, 0.3483



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

45.5639, 0.2752, 0.3360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.3729, 0.2402, 0.3483 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(70, 219, 205)` looks like.

```
.text, #text, p{  
    color:rgb(70, 219, 205)  
}
```

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(70, 219, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 219, 205) }
```

Border

The CSS property to change the border of an element to Yxy 56.3729, 0.2402, 0.3483 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(70, 219, 205) }
```

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

```
.border{ border-color:rgb(70, 219, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 219, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 219, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 219, 205);  
box-shadow:4px 4px 4px 4px rgb(70, 219,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 56.3729, 0.2402, 0.3483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 219, 205) }
```

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

```
.background{ background-color: rgb(70, 219,  
205) }
```

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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