

Converting Colors

$Y_{xy}(56.3208, 0.2599, 0.3404)$

Have a look what the booklet for
Yxy(56.3208, 0.2599, 0.3404)
contains.

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Color

Yxy(56.2072, 0.2597, 0.3396)

Conversions

Conversions Part 1

Format	Color
Hex	7BD5CD
RGB	123, 213, 205
RGB Percent	48%, 84%, 80%
CMY	0.5175, 0.1647, 0.1962
CMYK	0.42, 0.00, 0.04, 0.16
HSL	175°, 52%, 66%
HSV	175°, 42%, 84%
XYZ	42.9830, 56.2072, 66.3199
YIQ	185.1780, -51.0720, -21.5680

Conversions

Conversions Part 2

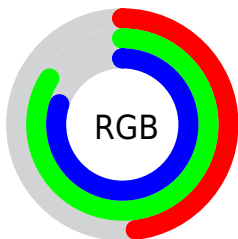
Format	Color
RYB	123, 170, 213
Decimal	8115661
CIELab	79.73, -28.85, -4.48
CIELCh	80, 29.196, 188.827
Yxy	56.2072, 0.2597, 0.3396
Android (android.graphics.Color)	4286305741 (0xFF7BD5CD)
YUV	185.1780, 9.7722, -54.5301
Hunter-Lab	74.9715, -28.8617, 0.0320

Details

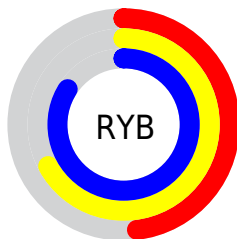
The Yxy color **56.2072, 0.2597, 0.3396** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.9636, 0.4117, 0.3193**, and the grayscale version is **48.5911, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4433, 0.2701, 0.3289**, and **27.8463, 0.2461, 0.3417** is the 20% darker color. If you saturate the color by 10%, you get **54.7138, 0.2506, 0.3425**, and if you desaturate by 10%, it is **58.0479, 0.2704, 0.3368**.

Distribution



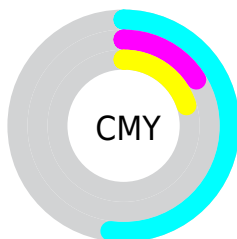
- Red (48%)
- Green (84%)
- Blue (80%)



- Red (48%)
- Yellow (67%)
- Blue (84%)



- Cyan (42%)
- Magenta (0%)
- Yellow (4%)
- Black (16%)




- Cyan (52%)
- Magenta (16%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.2072, 0.2597, 0.3396 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 56.2072, 0.2597, 0.3396 by changing the saturation by 10% instead.


 56.2072, 0.2597,
0.3396


 56.2072, 0.2597,
0.3396


410.4719, 0.2851,
0.3348


 40.3691, 0.2537,
0.3406


 99.3075, 0.2687,
0.3380

 27.8264, 0.2462,
0.3419


 127.3384, 0.2721,
0.3373

 18.1949, 0.2365,
0.3434


 160.2024, 0.2750,
0.3368

 11.0900, 0.2236,
0.3453

198.2838, 0.2776,
0.3363

 6.1274, 0.2055,
0.3477

241.9671, 0.2798,
0.3359

 2.9227, 0.1787,
0.3504

291.6366, 0.2818,

 1.0915, 0.1067,

0.3355

0.3642

347.6767, 0.2835,
0.3351

0.0000, 0.0000,
0.0000

56.2072, 0.2597,
0.3396

56.2072, 0.2597,
0.3396

54.7138, 0.2506,
0.3425

58.0479, 0.2704,
0.3368

53.5386, 0.2433,
0.3455

60.2497, 0.2825,
0.3342

52.6589, 0.2379,
0.3486


62.8335, 0.2956,
0.3317


52.0459, 0.2345,
0.3516

65.8169, 0.3095,
0.3295

51.6649, 0.2329,
0.3547


69.2161, 0.3240,
0.3274

 51.4832, 0.2325,
0.3570

 73.0468, 0.3386,
0.3256

 73.9259, 0.3404,
0.3237

 74.0262, 0.3390,
0.3218

 74.1277, 0.3376,
0.3199

Harmonies

Analogous

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



56.2072, 0.2903, 0.3749



56.2072, 0.2597, 0.3396



56.2072, 0.2434, 0.3035

Triad

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



56.2072, 0.2597, 0.3396



56.2072, 0.2937, 0.2713



56.2072, 0.3855, 0.3760

Complementary

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



56.2072, 0.2597, 0.3396



29.9636, 0.4117, 0.3193

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.



56.2072, 0.3874, 0.3470



56.2072, 0.2597, 0.3396



56.2072, 0.3325, 0.2888

Square

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



56.2072, 0.2597, 0.3396



56.2072, 0.2620, 0.2669



56.2072, 0.3676, 0.3158



56.2072, 0.3633, 0.3950

Rectangle

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



56.2072, 0.2597, 0.3396



56.2072, 0.2420, 0.2848



56.2072, 0.3676, 0.3158



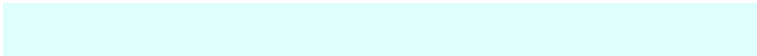
56.2072, 0.3886, 0.3671

Sweetspot

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



56.2094, 0.2597, 0.3396



94.0567, 0.2944, 0.3319



53.9289, 0.3126, 0.4569



19.9383, 0.2914, 0.3325



0.0000, 0.0000, 0.0000



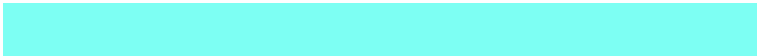
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.2094, 0.2597, 0.3396



82.3706, 0.2512, 0.3423



40.4696, 0.2472, 0.2786



14.0879, 0.2994, 0.3311



31.4557, 0.2324, 0.3566



1.9030, 0.2309, 0.3513

Inverse Universe

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



29.9636, 0.4117, 0.3193



37.7082, 0.4468, 0.3176



40.3827, 0.4018, 0.3737



12.4386, 0.3277, 0.3270



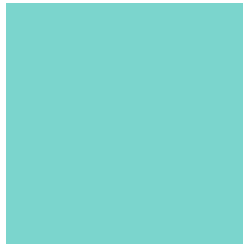
8.6763, 0.6293, 0.3241



0.5297, 0.5998, 0.3078

Previews

White Background



This preview shows how the Yxy color 56.2072, 0.2597, 0.3396 looks on a white background.

Color Contrast Check

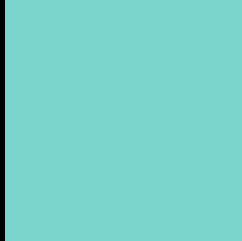
Large Text (above 18pt) WCAG AA × Fail

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 56.2072, 0.2597, 0.3396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

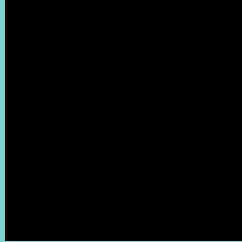
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

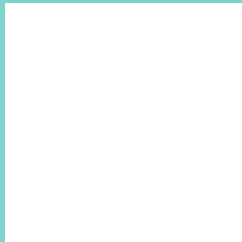
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.2072, 0.2597, 0.3396

Background



This preview shows how black text looks on a background with the Yxy color 56.2072, 0.2597, 0.3396.

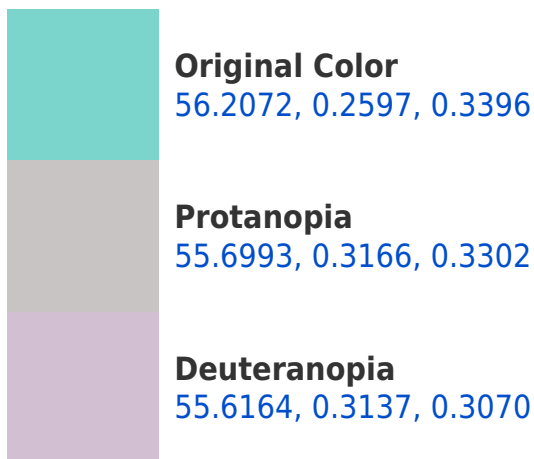


This preview shows how white text looks on a background with the Yxy color 56.2072, 0.2597, 0.3396.

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





Tritanopia

56.3064, 0.2506, 0.3070

Trichromacy



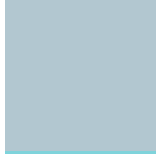
Original Color

56.2072, 0.2597, 0.3396



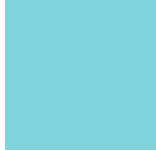
Protanomaly

55.1352, 0.2924, 0.3327



Deuteranomaly

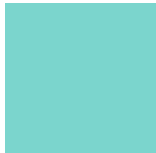
54.8659, 0.2906, 0.3178



Tritanomaly

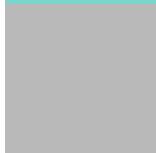
56.2150, 0.2539, 0.3184

Monochromacy



Original Color

56.2072, 0.2597, 0.3396



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

50.5174, 0.2895, 0.3329

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.2072, 0.2597, 0.3396 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(123, 213, 205)` looks like.

```
.text, #text, p{  
    color:rgb(123, 213, 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(123, 213, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 213, 205) }
```

Border

The CSS property to change the border of an element to Yxy 56.2072, 0.2597, 0.3396 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(123, 213, 205) }
```

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

```
.border{ border-color:rgb(123, 213, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 213, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 213, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 213, 205);  
box-shadow:4px 4px 4px 4px rgb(123, 213,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 56.2072, 0.2597, 0.3396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 213, 205) }
```

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

```
.background{ background-color: rgb(123,  
213, 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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