

Converting Colors

$Y_{xy}(56.0533, 0.2712, 0.3502)$

Have a look what the booklet for
Yxy(56.0533, 0.2712, 0.3502)
contains.

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Color

Yxy(56.2234, 0.2710, 0.3503)

Conversions

Conversions Part 1

Format	Color
Hex	87D4C4
RGB	135, 212, 196
RGB Percent	53%, 83%, 77%
CMY	0.4707, 0.1686, 0.2314
CMYK	0.36, 0.00, 0.08, 0.17
HSL	168°, 47%, 68%
HSV	168°, 36%, 83%
XYZ	43.4957, 56.2234, 60.7816
YIQ	187.1530, -40.7560, -21.3000

Conversions

Conversions Part 2

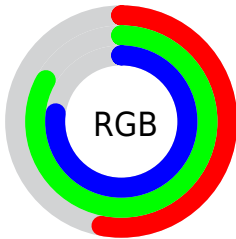
Format	Color
RYB	135, 178, 212
Decimal	8901828
CIELab	79.74, -27.37, 0.39
CIElCh	80, 27.372, 179.178
Yxy	56.2234, 0.2710, 0.3503
Android (android.graphics.Color)	4287091908 (0xFF87D4C4)
YUV	187.1530, 4.3616, -45.7382
Hunter-Lab	74.9823, -27.6747, 4.4263

Details

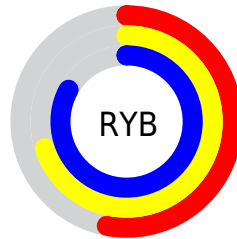
The Yxy color **56.2234, 0.2710, 0.3503** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.5543, 0.3815, 0.3092**, and the grayscale version is **49.7753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6882, 0.2767, 0.3310**, and **27.8163, 0.2606, 0.3564** is the 20% darker color. If you saturate the color by 10%, you get **54.4413, 0.2620, 0.3572**, and if you desaturate by 10%, it is **58.3660, 0.2813, 0.3438**.

Distribution



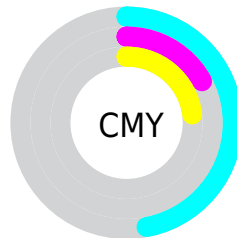
- Red (53%)
- Green (83%)
- Blue (77%)



- Red (53%)
- Yellow (70%)
- Blue (83%)



- Cyan (36%)
- Magenta (0%)
- Yellow (8%)
- Black (17%)




- Cyan (47%)
- Magenta (17%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.2234, 0.2710, 0.3503 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 56.2234, 0.2710, 0.3503 by changing the saturation by 10% instead.

 56.2234, 0.2710,
0.3503

 56.2234, 0.2710,
0.3503


410.5329, 0.2911,
0.3400

 40.3821, 0.2662,
0.3528


 99.3311, 0.2782,
0.3466

 27.8366, 0.2601,
0.3559


 127.3663, 0.2809,
0.3452

 18.2025, 0.2522,
0.3599


 160.2349, 0.2832,
0.3440

 11.0955, 0.2416,
0.3654

198.3213, 0.2852,
0.3430

 6.1311, 0.2265,
0.3732

242.0099, 0.2870,
0.3421

 2.9250, 0.2035,
0.3851

291.6851, 0.2885,

 1.0927, 0.1368,

0.3413

0.4190

347.7313, 0.2899,
0.3406

0.0000, 0.0000,
0.0000

56.2234, 0.2710,
0.3503

56.2234, 0.2710,
0.3503

54.4413, 0.2620,
0.3572

58.3660, 0.2813,
0.3438

52.9920, 0.2545,
0.3645

60.8816, 0.2927,
0.3378

51.8546, 0.2489,
0.3720


63.7903, 0.3048,
0.3322


51.0030, 0.2452,
0.3796


67.1087, 0.3174,
0.3272

50.4065, 0.2434,
0.3872

70.8525, 0.3301,
0.3227


 50.0268, 0.2435,
0.3948

 73.6486, 0.3375,
0.3186

 49.9161, 0.2438,
0.3975

 73.8886, 0.3343,
0.3142

 74.1349, 0.3312,
0.3098

 74.3874, 0.3280,
0.3055

Harmonies

Analogous

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



56.2234, 0.3029, 0.3800



56.2234, 0.2710, 0.3503



56.2234, 0.2507, 0.3155

Triad

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



56.2234, 0.2710, 0.3503



56.2234, 0.2842, 0.2718



56.2234, 0.3838, 0.3653

Complementary

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



56.2234, 0.2710, 0.3503



33.5543, 0.3815, 0.3092

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.



56.2234, 0.3788, 0.3366



56.2234, 0.2710, 0.3503



56.2234, 0.3195, 0.2847

Square

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



56.2234, 0.2710, 0.3503



56.2234, 0.2580, 0.2723



56.2234, 0.3547, 0.3078



56.2234, 0.3687, 0.3868

Rectangle

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



56.2234, 0.2710, 0.3503



56.2234, 0.2459, 0.2955



56.2234, 0.3547, 0.3078



56.2234, 0.3845, 0.3562

Sweetspot

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



56.2257, 0.2710, 0.3503



94.6929, 0.2989, 0.3348



55.4833, 0.3194, 0.4343



20.1395, 0.2973, 0.3356



0.0000, 0.0000, 0.0000



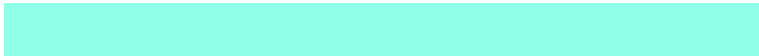
21.4041, 0.3127, 0.3290

Same Dimension

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



56.2257, 0.2710, 0.3503



83.1497, 0.2635, 0.3559



46.8094, 0.2579, 0.2994



14.0616, 0.3010, 0.3339



30.8280, 0.2435, 0.3965



1.8708, 0.2398, 0.3834

Inverse Universe

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



33.5543, 0.3815, 0.3092



43.6026, 0.4050, 0.3049



39.7946, 0.3901, 0.3564



12.4626, 0.3259, 0.3242



8.7655, 0.6041, 0.3102



0.5409, 0.5556, 0.2834

Previews

White Background



This preview shows how the Yxy color 56.2234, 0.2710, 0.3503 looks on a white background.

Color Contrast Check

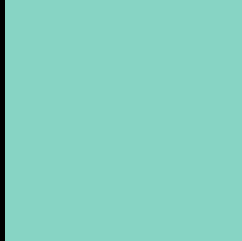
Large Text (above 18pt) WCAG AA × Fail

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 56.2234, 0.2710, 0.3503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

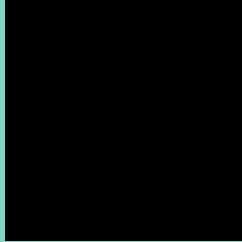
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

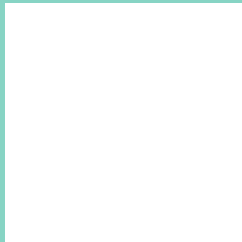
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.2234, 0.2710, 0.3503

Background



This preview shows how black text looks on a background with the Yxy color 56.2234, 0.2710, 0.3503.



This preview shows how white text looks on a background with the Yxy color 56.2234, 0.2710, 0.3503.

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

56.2234, 0.2710, 0.3503

Protanopia

55.7642, 0.3251, 0.3399

Deuteranopia

55.7279, 0.3246, 0.3186



Tritanopia

56.2988, 0.2582, 0.3073

Trichromacy



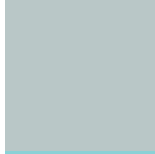
Original Color

56.2234, 0.2710, 0.3503



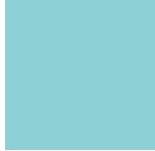
Protanomaly

55.4237, 0.3029, 0.3442



Deuteranomaly

55.2847, 0.3019, 0.3290



Tritanomaly

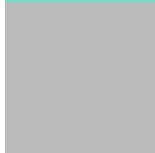
55.9449, 0.2627, 0.3224

Monochromacy



Original Color

56.2234, 0.2710, 0.3503



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

51.5224, 0.2953, 0.3368

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.2234, 0.2710, 0.3503 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(135, 212, 196)` looks like.

```
.text, #text, p{  
    color:rgb(135, 212, 196)  
}
```

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(135, 212, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 212, 196) }
```

Border

The CSS property to change the border of an element to Yxy 56.2234, 0.2710, 0.3503 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(135, 212, 196) }
```

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

```
.border{ border-color:rgb(135, 212, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 212, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 212, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 212, 196); box-shadow:4px 4px 4px 4px rgb(135, 212, 196) }
```


Background

The CSS property to change the background color of an element to Yxy 56.2234, 0.2710, 0.3503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 212, 196) }
```

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

```
.background{ background-color: rgb(135,  
212, 196) }
```

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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