

Converting Colors

$Yxy(56.2066, 0.2726, 0.3502)$

Have a look what the booklet for
Yxy(56.2066, 0.2726, 0.3502)
contains.

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Color

Yxy(56.3909, 0.2722, 0.3502)

Conversions

Conversions Part 1

Format	Color
Hex	89D4C4
RGB	137, 212, 196
RGB Percent	54%, 83%, 77%
CMY	0.4625, 0.1686, 0.2313
CMYK	0.35, 0.00, 0.08, 0.17
HSL	167°, 47%, 68%
HSV	167°, 35%, 83%
XYZ	43.8310, 56.3909, 60.8030
YIQ	187.7510, -39.5640, -20.8760

Conversions

Conversions Part 2

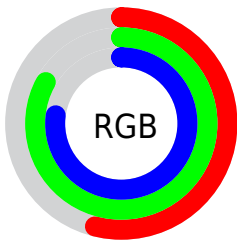
Format	Color
RYB	137, 179, 212
Decimal	9032900
CIELab	79.84, -26.79, 0.54
CIElCh	80, 26.797, 178.851
Yxy	56.3909, 0.2722, 0.3502
Android (android.graphics.Color)	4287222980 (0xFF89D4C4)
YUV	187.7510, 4.0668, -44.5086
Hunter-Lab	75.0939, -27.2270, 4.5590

Details

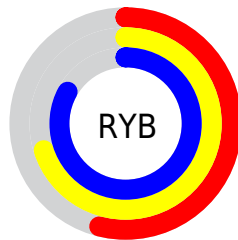
The Yxy color **56.3909, 0.2722, 0.3502** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.2048, 0.3784, 0.3092**, and the grayscale version is **50.1421, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9493, 0.2778, 0.3310**, and **27.9059, 0.2619, 0.3564** is the 20% darker color. If you saturate the color by 10%, you get **54.5704, 0.2631, 0.3573**, and if you desaturate by 10%, it is **58.5742, 0.2826, 0.3436**.

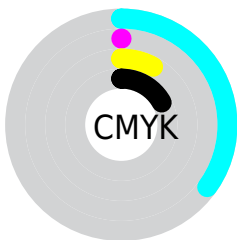
Distribution



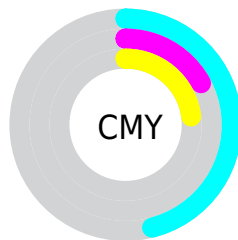
- Red (54%)
- Green (83%)
- Blue (77%)



- Red (54%)
- Yellow (70%)
- Blue (83%)



- Cyan (35%)
- Magenta (0%)
- Yellow (8%)
- Black (17%)




- Cyan (46%)
- Magenta (17%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.3909, 0.2722, 0.3502 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 56.3909, 0.2722, 0.3502 by changing the saturation by 10% instead.


 56.3909, 0.2722,
0.3502

 56.3909, 0.2722,
0.3502


411.1630, 0.2918,
0.3399


 40.5164, 0.2675,
0.3527


 99.5759, 0.2792,
0.3465

 27.9414, 0.2616,
0.3558


 127.6552, 0.2818,
0.3452

 18.2815, 0.2540,
0.3598


 160.5715, 0.2841,
0.3440

 11.1523, 0.2437,
0.3653

198.7093, 0.2860,
0.3429

 6.1694, 0.2290,
0.3730

242.4530, 0.2877,
0.3421

 2.9483, 0.2066,
0.3850

292.1869, 0.2892,

 1.1048, 0.1440,

0.3413

0.4176

348.2954, 0.2906,
0.3406

0.0000, 0.0000,
0.0000

56.3909, 0.2722,
0.3502

56.3909, 0.2722,
0.3502

54.5704, 0.2631,
0.3573

58.5742, 0.2826,
0.3436

53.0850, 0.2555,
0.3647

61.1325, 0.2940,
0.3374

51.9143, 0.2497,
0.3724

64.0858, 0.3061,
0.3318

51.0322, 0.2459,
0.3802

67.4507, 0.3186,
0.3267


50.4089, 0.2440,
0.3881


71.2428, 0.3313,
0.3222

 50.0076, 0.2439,
0.3959

 73.6796, 0.3370,
0.3178

 49.8657, 0.2443,
0.3995

 73.9270, 0.3337,
0.3133

 74.1810, 0.3305,
0.3089

 74.4416, 0.3273,
0.3044

Harmonies

Analogous

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



56.3909, 0.3036, 0.3791



56.3909, 0.2722, 0.3502



56.3909, 0.2522, 0.3162

Triad

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



56.3909, 0.2722, 0.3502



56.3909, 0.2845, 0.2729



56.3909, 0.3823, 0.3643

Complementary

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



56.3909, 0.2722, 0.3502



34.2048, 0.3784, 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.



56.3909, 0.3772, 0.3362



56.3909, 0.2722, 0.3502



56.3909, 0.3190, 0.2854

Square

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



56.3909, 0.2722, 0.3502



56.3909, 0.2590, 0.2735



56.3909, 0.3534, 0.3080



56.3909, 0.3678, 0.3854

Rectangle

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



56.3909, 0.2722, 0.3502



56.3909, 0.2473, 0.2965



56.3909, 0.3534, 0.3080



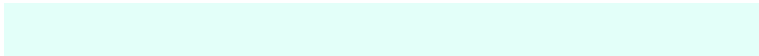
56.3909, 0.3829, 0.3554

Sweetspot

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



56.3932, 0.2722, 0.3502



94.6833, 0.2990, 0.3350



55.6927, 0.3193, 0.4310



20.1372, 0.2974, 0.3357



0.0000, 0.0000, 0.0000



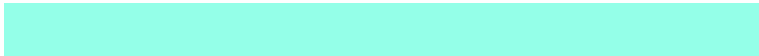
21.4041, 0.3127, 0.3290

Same Dimension

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



56.3932, 0.2722, 0.3502



83.6415, 0.2656, 0.3552



47.2341, 0.2593, 0.3003



14.0604, 0.3011, 0.3340



30.8017, 0.2440, 0.3984



1.8694, 0.2403, 0.3849

Inverse Universe

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



34.2048, 0.3784, 0.3092



45.3391, 0.3982, 0.3053



40.3563, 0.3873, 0.3557



12.4637, 0.3258, 0.3240



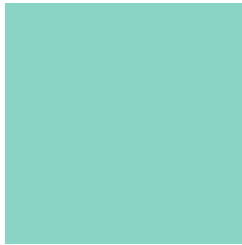
8.7712, 0.6026, 0.3093



0.5415, 0.5537, 0.2824

Previews

White Background



This preview shows how the Yxy color 56.3909, 0.2722, 0.3502 looks on a white background.

Color Contrast Check

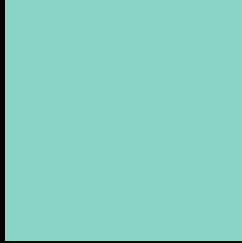
Large Text (above 18pt) WCAG AA × Fail

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 56.3909, 0.2722, 0.3502 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

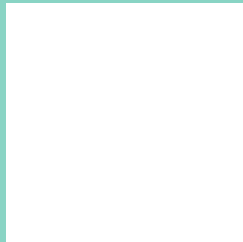
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.3909, 0.2722, 0.3502

Background



This preview shows how black text looks on a background with the Yxy color 56.3909, 0.2722, 0.3502.

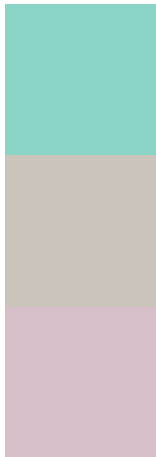


This preview shows how white text looks on a background with the Yxy color 56.3909, 0.2722, 0.3502.

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

56.3909, 0.2722, 0.3502

Protanopia

55.7642, 0.3251, 0.3399

Deuteranopia

55.7279, 0.3246, 0.3186



Tritanopia

56.4229, 0.2599, 0.3086

Trichromacy



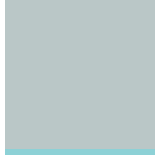
Original Color

56.3909, 0.2722, 0.3502



Protanomaly

55.5425, 0.3036, 0.3441



Deuteranomaly

55.4095, 0.3027, 0.3290



Tritanomaly

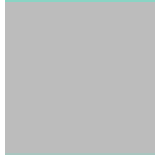
56.1187, 0.2638, 0.3224

Monochromacy



Original Color

56.3909, 0.2722, 0.3502



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

52.1291, 0.2954, 0.3367

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.3909, 0.2722, 0.3502 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(137, 212, 196)` looks like.

```
.text, #text, p{  
    color:rgb(137, 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(137, 212, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 212, 196) }
```

Border

The CSS property to change the border of an element to Yxy 56.3909, 0.2722, 0.3502 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(137, 212, 196) }
```

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

```
.border{ border-color:rgb(137, 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(137, 212, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 212, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 212, 196);  
box-shadow:4px 4px 4px 4px rgb(137, 212,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 56.3909, 0.2722, 0.3502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 212, 196) }
```

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

```
.background{ background-color: rgb(137,  
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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