

Converting Colors

$Yxy(56.2659, 0.2733, 0.3530)$

Have a look what the booklet for
Yxy(56.2659, 0.2733, 0.3530)
contains.

Yxy(56.3004, 0.2733, 0.3530)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(56.3004, 0.2733, 0.3530)

Conversions

Conversions Part 1

Format	Color
Hex	89D4C2
RGB	137, 212, 194
RGB Percent	54%, 83%, 76%
CMY	0.4630, 0.1686, 0.2393
CMYK	0.35, 0.00, 0.09, 0.17
HSL	166°, 47%, 68%
HSV	166°, 35%, 83%
XYZ	43.5889, 56.3004, 59.6019
YIQ	187.5230, -38.9220, -21.4980

Conversions

Conversions Part 2

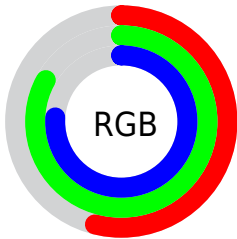
Format	Color
RYB	137, 180, 212
Decimal	9032898
CIELab	79.78, -27.28, 1.54
CIELCh	80, 27.326, 176.768
Yxy	56.3004, 0.2733, 0.3530
Android (android.graphics.Color)	4287222978 (0xFF89D4C2)
YUV	187.5230, 3.1932, -44.3087
Hunter-Lab	75.0336, -27.6135, 5.4273

Details

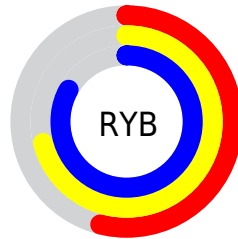
The Yxy color **56.3004, 0.2733, 0.3530** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.2390, 0.3763, 0.3067**, and the grayscale version is **49.9965, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.7596, 0.2793, 0.3342**, and **27.8464, 0.2633, 0.3602** is the 20% darker color. If you saturate the color by 10%, you get **54.4597, 0.2644, 0.3610**, and if you desaturate by 10%, it is **58.5055, 0.2834, 0.3455**.

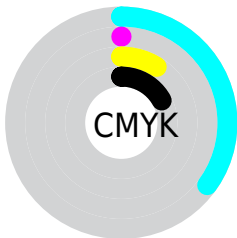
Distribution



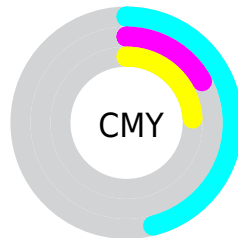
- Red (54%)
- Green (83%)
- Blue (76%)



- Red (54%)
- Yellow (71%)
- Blue (83%)



- Cyan (35%)
- Magenta (0%)
- Yellow (9%)
- Black (17%)




- Cyan (46%)
- Magenta (17%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.3004, 0.2733, 0.3530 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 56.3004, 0.2733, 0.3530 by changing the saturation by 10% instead.


 56.3004, 0.2733,
0.3530

 56.3004, 0.2733,
0.3530

410.8226, 0.2924,
0.3413

 40.4438, 0.2687,
0.3558


 99.4437, 0.2801,
0.3488

 27.8848, 0.2630,
0.3594

 127.4991, 0.2827,
0.3472

 18.2388, 0.2555,
0.3641


 160.3897, 0.2849,
0.3459

 11.1216, 0.2453,
0.3704

198.4997, 0.2868,
0.3447

 6.1487, 0.2309,
0.3796

242.2136, 0.2885,
0.3437

 2.9357, 0.2087,
0.3938

291.9158, 0.2899,

 1.0982, 0.1433,

0.3428

0.4328

347.9907, 0.2912,
0.3420

0.0000, 0.0000,
0.0000

56.3004, 0.2733,
0.3530

56.3004, 0.2733,
0.3530

54.4597, 0.2644,
0.3610

58.5055, 0.2834,
0.3455

52.9556, 0.2571,
0.3695

61.0873, 0.2945,
0.3385

51.7677, 0.2515,
0.3782


64.0657, 0.3062,
0.3322


50.8699, 0.2479,
0.3871


67.4574, 0.3183,
0.3264

50.2323, 0.2462,
0.3961

71.2780, 0.3306,
0.3213

 49.8180, 0.2465,
0.4050

 73.7656, 0.3360,
0.3165

 49.6719, 0.2470,
0.4090

 74.0468, 0.3323,
0.3114

 74.3364, 0.3287,
0.3064

 74.6344, 0.3251,
0.3015

Harmonies

Analogous

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



56.3004, 0.3058, 0.3817



56.3004, 0.2733, 0.3530



56.3004, 0.2519, 0.3182

Triad

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



56.3004, 0.2733, 0.3530



56.3004, 0.2817, 0.2714



56.3004, 0.3840, 0.3631

Complementary

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



56.3004, 0.2733, 0.3530



34.2390, 0.3763, 0.3067

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.



56.3004, 0.3774, 0.3342



56.3004, 0.2733, 0.3530



56.3004, 0.3165, 0.2833

Square

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



56.3004, 0.2733, 0.3530



56.3004, 0.2566, 0.2730



56.3004, 0.3520, 0.3057



56.3004, 0.3704, 0.3854

Rectangle

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



56.3004, 0.2733, 0.3530



56.3004, 0.2462, 0.2977



56.3004, 0.3520, 0.3057



56.3004, 0.3841, 0.3538

Sweetspot

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



56.3027, 0.2733, 0.3530



94.6366, 0.2994, 0.3357



55.9381, 0.3211, 0.4306



20.1260, 0.2978, 0.3366



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.



56.3027, 0.2733, 0.3530



83.4797, 0.2669, 0.3586



48.3166, 0.2597, 0.3037



14.0545, 0.3014, 0.3347



30.6763, 0.2466, 0.4078



1.8628, 0.2424, 0.3924

Inverse Universe

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



34.2390, 0.3763, 0.3067



45.4494, 0.3952, 0.3023



39.4831, 0.3886, 0.3526



12.4692, 0.3254, 0.3234



8.8013, 0.5947, 0.3050



0.5440, 0.5450, 0.2776

Previews

White Background



This preview shows how the Yxy color 56.3004, 0.2733, 0.3530 looks on a white background.

Color Contrast Check

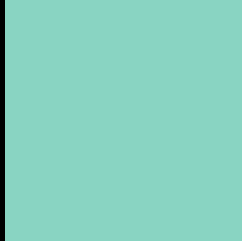
Large Text (above 18pt) WCAG AA × Fail

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 56.3004, 0.2733, 0.3530 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

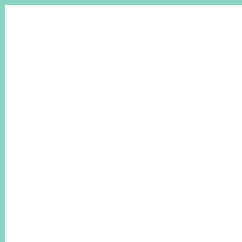
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.3004, 0.2733, 0.3530

Background



This preview shows how black text looks on a background with the Yxy color 56.3004, 0.2733, 0.3530.

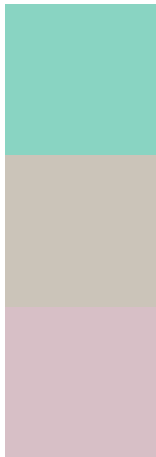


This preview shows how white text looks on a background with the Yxy color 56.3004, 0.2733, 0.3530.

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

56.3004, 0.2733, 0.3530

Protanopia

55.6791, 0.3266, 0.3423

Deuteranopia

55.7859, 0.3270, 0.3209



Tritanopia

56.4229, 0.2599, 0.3086

Trichromacy



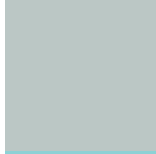
Original Color

56.3004, 0.2733, 0.3530



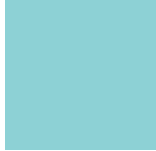
Protanomaly

55.4556, 0.3050, 0.3467



Deuteranomaly

55.4429, 0.3049, 0.3314



Tritanomaly

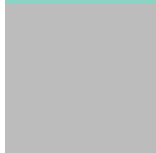
56.0677, 0.2644, 0.3237

Monochromacy



Original Color

56.3004, 0.2733, 0.3530



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

52.0852, 0.2961, 0.3381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.3004, 0.2733, 0.3530 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, 194)` looks like.

```
.text, #text, p{  
    color:rgb(137, 212, 194)  
}
```

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, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 212, 194) }
```

Border

The CSS property to change the border of an element to Yxy 56.3004, 0.2733, 0.3530 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, 194) }
```

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

```
.border{ border-color:rgb(137, 212, 194) }
```

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, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 212, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 212, 194);  
box-shadow:4px 4px 4px 4px rgb(137, 212,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 56.3004, 0.2733, 0.3530 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, 194) }
```

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

```
.background{ background-color: rgb(137,  
212, 194) }
```

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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