

Converting Colors

$Yxy(56.7656, 0.2743, 0.3551)$

Have a look what the booklet for
Yxy(56.7656, 0.2743, 0.3551)
contains.

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Color

Yxy(56.8420, 0.2746, 0.3556)

Conversions

Conversions Part 1

Format	Color
Hex	8AD5C1
RGB	138, 213, 193
RGB Percent	54%, 84%, 76%
CMY	0.4590, 0.1647, 0.2431
CMYK	0.35, 0.00, 0.09, 0.16
HSL	164°, 47%, 69%
HSV	164°, 35%, 84%
XYZ	43.8943, 56.8420, 59.1118
YIQ	188.2950, -38.2800, -22.1200

Conversions

Conversions Part 2

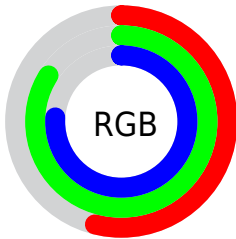
Format	Color
RYB	138, 181, 213
Decimal	9098689
CIELab	80.09, -27.70, 2.52
CIElCh	80, 27.818, 174.806
Yxy	56.8420, 0.2746, 0.3556
Android (android.graphics.Color)	4287288769 (0xFF8AD5C1)
YUV	188.2950, 2.3196, -44.1087
Hunter-Lab	75.3936, -28.0159, 6.2896

Details

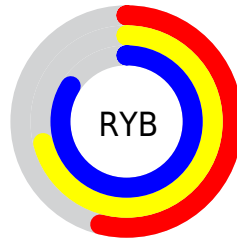
The Yxy color **56.8420, 0.2746, 0.3556** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.7764, 0.3736, 0.3044**, and the grayscale version is **50.4632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8289, 0.2803, 0.3353**, and **28.2320, 0.2642, 0.3618** is the 20% darker color. If you saturate the color by 10%, you get **54.9544, 0.2660, 0.3646**, and if you desaturate by 10%, it is **59.1002, 0.2844, 0.3472**.

Distribution



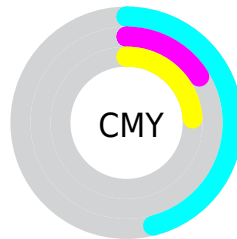
- Red (54%)
- Green (84%)
- Blue (76%)



- Red (54%)
- Yellow (71%)
- Blue (84%)



- Cyan (35%)
- Magenta (0%)
- Yellow (9%)
- Black (16%)




- Cyan (46%)
- Magenta (16%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.8420, 0.2746, 0.3556 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 56.8420, 0.2746, 0.3556 by changing the saturation by 10% instead.

 56.8420, 0.2746,
0.3556

 56.8420, 0.2746,
0.3556

412.8570, 0.2931,
0.3426

 40.8784, 0.2702,
0.3588


 100.2346, 0.2812,
0.3509

 28.2241, 0.2646,
0.3628


 128.4324, 0.2837,
0.3492

 18.4946, 0.2573,
0.3680

 161.4771, 0.2858,
0.3477

 11.3057, 0.2475,
0.3751

199.7530, 0.2877,
0.3464

 6.2728, 0.2335,
0.3855

243.6445, 0.2893,
0.3453

 3.0117, 0.2120,
0.4017

293.5361, 0.2907,

 1.1378, 0.1502,

0.3443

0.4435

349.8121, 0.2919,
0.3434

0.0100, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

56.8420, 0.2746,
0.3556

56.8420, 0.2746,
0.3556

54.9544, 0.2660,
0.3646

59.1002, 0.2844,
0.3472

53.4094, 0.2588,
0.3740


61.7414, 0.2952,
0.3395


52.1862, 0.2534,
0.3838


64.7858, 0.3066,
0.3324

51.2585, 0.2500,
0.3938

68.2503, 0.3183,
0.3261

 50.5961, 0.2485,
0.4039

 72.1507, 0.3302,
0.3204


 50.1617, 0.2490,
0.4139

 74.4052, 0.3340,
0.3149

 50.0036, 0.2496,
0.4186

 74.7241, 0.3300,
0.3093

 75.0534, 0.3260,
0.3038

 75.3932, 0.3220,
0.2983

Harmonies

Analogous

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



56.8420, 0.3081, 0.3839



56.8420, 0.2746, 0.3556



56.8420, 0.2520, 0.3203

Triad

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



56.8420, 0.2746, 0.3556



56.8420, 0.2793, 0.2703



56.8420, 0.3853, 0.3617

Complementary

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



56.8420, 0.2746, 0.3556



34.7764, 0.3736, 0.3044

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.



56.8420, 0.3772, 0.3323



56.8420, 0.2746, 0.3556



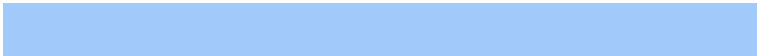
56.8420, 0.3141, 0.2815

Square

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



56.8420, 0.2746, 0.3556



56.8420, 0.2547, 0.2729



56.8420, 0.3505, 0.3036



56.8420, 0.3727, 0.3851

Rectangle

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



56.8420, 0.2746, 0.3556



56.8420, 0.2455, 0.2991



56.8420, 0.3505, 0.3036



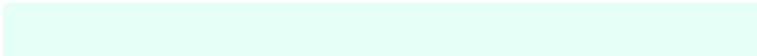
56.8420, 0.3849, 0.3522

Sweetspot

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



56.8443, 0.2746, 0.3556



94.5905, 0.2998, 0.3365



56.6940, 0.3220, 0.4298



20.1150, 0.2983, 0.3375



0.0000, 0.0000, 0.0000



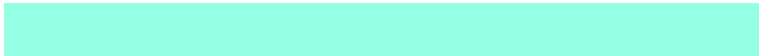
21.4041, 0.3127, 0.3290

Same Dimension

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



56.8443, 0.2746, 0.3556



83.3225, 0.2683, 0.3620



49.4569, 0.2602, 0.3056



14.0487, 0.3018, 0.3353



30.5578, 0.2492, 0.4171



1.8565, 0.2444, 0.4000

Inverse Universe

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



34.7764, 0.3736, 0.3044



45.5608, 0.3922, 0.2993



39.5780, 0.3887, 0.3510



12.4746, 0.3250, 0.3228



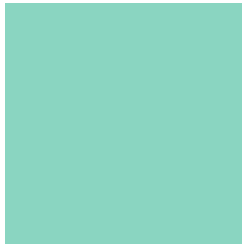
8.8347, 0.5863, 0.3004



0.5467, 0.5363, 0.2728

Previews

White Background



This preview shows how the Yxy color 56.8420, 0.2746, 0.3556 looks on a white background.

Color Contrast Check

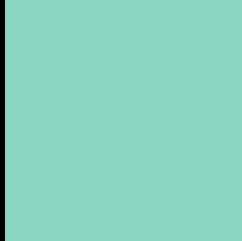
Large Text (above 18pt) WCAG AA × Fail

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 56.8420, 0.2746, 0.3556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

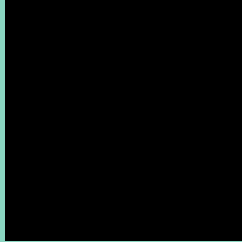
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

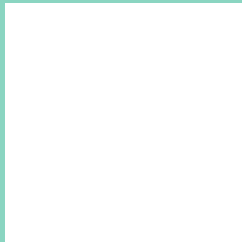
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.8420, 0.2746, 0.3556

Background



This preview shows how black text looks on a background with the Yxy color 56.8420, 0.2746, 0.3556.

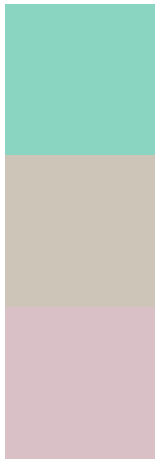


This preview shows how white text looks on a background with the Yxy color 56.8420, 0.2746, 0.3556.

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

56.8420, 0.2746, 0.3556

Protanopia

56.2306, 0.3281, 0.3447

Deuteranopia

56.0905, 0.3287, 0.3210



Tritanopia

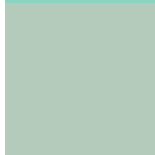
56.5677, 0.2599, 0.3074

Trichromacy



Original Color

56.8420, 0.2746, 0.3556



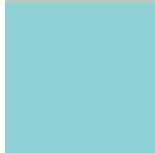
Protanomaly

56.0030, 0.3064, 0.3492



Deuteranomaly

55.5237, 0.3063, 0.3327



Tritanomaly

56.6481, 0.2651, 0.3250

Monochromacy



Original Color

56.8420, 0.2746, 0.3556



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

52.1963, 0.2969, 0.3380

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.8420, 0.2746, 0.3556 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(138, 213, 193)` looks like.

```
.text, #text, p{  
    color:rgb(138, 213, 193)  
}
```

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(138, 213, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 213, 193) }
```

Border

The CSS property to change the border of an element to Yxy 56.8420, 0.2746, 0.3556 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(138, 213, 193) }
```

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

```
.border{ border-color:rgb(138, 213, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 213, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 213, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 213, 193);  
box-shadow:4px 4px 4px 4px rgb(138, 213,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 56.8420, 0.2746, 0.3556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 213, 193) }
```

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

```
.background{ background-color: rgb(138,  
213, 193) }
```

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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