

Converting Colors

$Yxy(55.9150, 0.2733, 0.3621)$

Have a look what the booklet for
Yxy(55.9150, 0.2733, 0.3621)
contains.

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Color

Yxy(56.0446, 0.2734, 0.3629)

Conversions

Conversions Part 1

Format	Color
Hex	83D5BC
RGB	131, 213, 188
RGB Percent	51%, 84%, 74%
CMY	0.4866, 0.1646, 0.2627
CMYK	0.39, 0.00, 0.12, 0.16
HSL	162°, 49%, 67%
HSV	162°, 39%, 84%
XYZ	42.2226, 56.0446, 56.1681
YIQ	185.6320, -40.8470, -25.1590

Conversions

Conversions Part 2

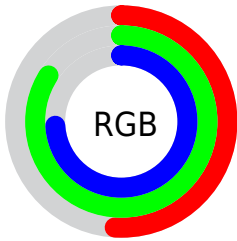
Format	Color
RYB	131, 179, 213
Decimal	8639932
CIELab	79.64, -30.73, 4.49
CIElCh	80, 31.055, 171.679
Yxy	56.0446, 0.2734, 0.3629
Android (android.graphics.Color)	4286830012 (0xFF83D5BC)
YUV	185.6320, 1.1674, -47.9123
Hunter-Lab	74.8629, -30.3363, 7.9200

Details

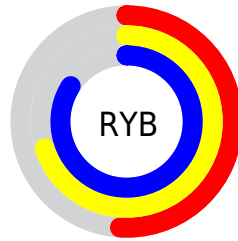
The Yxy color **56.0446, 0.2734, 0.3629** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.7601, 0.3782, 0.2982**, and the grayscale version is **48.8889, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6164, 0.2791, 0.3407**, and **27.7395, 0.2626, 0.3720** is the 20% darker color. If you saturate the color by 10%, you get **54.2447, 0.2656, 0.3735**, and if you desaturate by 10%, it is **58.2112, 0.2825, 0.3530**.

Distribution



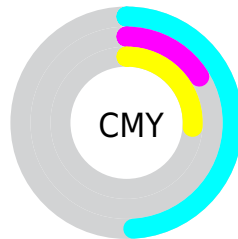
- Red (51%)
- Green (84%)
- Blue (74%)



- Red (51%)
- Yellow (70%)
- Blue (84%)



- Cyan (39%)
- Magenta (0%)
- Yellow (12%)
- Black (16%)





- Cyan (49%)
- Magenta (16%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.0446, 0.2734, 0.3629 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 56.0446, 0.2734, 0.3629 by changing the saturation by 10% instead.

 56.0446, 0.2734,
0.3629

 56.0446, 0.2734,
0.3629


409.8596, 0.2926,
0.3462

 40.2387, 0.2688,
0.3670


 99.0698, 0.2802,
0.3569

 27.7247, 0.2629,
0.3723


 127.0578, 0.2829,
0.3546

 18.1182, 0.2553,
0.3792


 159.8754, 0.2851,
0.3527

 11.0349, 0.2448,
0.3887

197.9069, 0.2870,
0.3510

 6.0903, 0.2299,
0.4026

241.5366, 0.2886,
0.3496

 2.9001, 0.2067,
0.4249

291.1490, 0.2901,

 1.0798, 0.1205,

0.3483

0.4927

347.1286, 0.2914,
0.3472

0.0000, 0.0000,
0.0000

56.0446, 0.2734,
0.3629

56.0446, 0.2734,
0.3629

54.2447, 0.2656,
0.3735

58.2112, 0.2825,
0.3530

52.7829, 0.2593,
0.3846

60.7576, 0.2925,
0.3438

51.6374, 0.2549,
0.3960


63.7046, 0.3032,
0.3355

50.7807, 0.2524,
0.4077

67.0692, 0.3144,
0.3279

50.1807, 0.2519,
0.4193

70.8677, 0.3256,
0.3212

 49.7881, 0.2532,
0.4308

 74.3998, 0.3341,
0.3151

 49.7378, 0.2535,
0.4325

 74.7649, 0.3295,
0.3087

 75.1438, 0.3249,
0.3023

 75.5364, 0.3204,
0.2961

Harmonies

Analogous

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



56.0446, 0.3115, 0.3934



56.0446, 0.2734, 0.3629



56.0446, 0.2469, 0.3229

Triad

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



56.0446, 0.2734, 0.3629



56.0446, 0.2717, 0.2633



56.0446, 0.3944, 0.3618

Complementary

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



56.0446, 0.2734, 0.3629



32.7601, 0.3782, 0.2982

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.



56.0446, 0.3828, 0.3288



56.0446, 0.2734, 0.3629



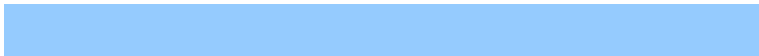
56.0446, 0.3097, 0.2743

Square

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



56.0446, 0.2734, 0.3629



56.0446, 0.2461, 0.2675



56.0446, 0.3510, 0.2977



56.0446, 0.3823, 0.3893

Rectangle

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



56.0446, 0.2734, 0.3629



56.0446, 0.2385, 0.2985



56.0446, 0.3510, 0.2977



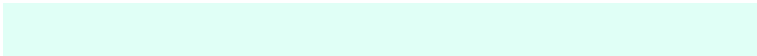
56.0446, 0.3932, 0.3510

Sweetspot

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



56.0469, 0.2734, 0.3629



94.0651, 0.2993, 0.3384



56.3935, 0.3256, 0.4395



20.0074, 0.2979, 0.3395



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.



56.0469, 0.2734, 0.3629



82.0255, 0.2671, 0.3712



49.9973, 0.2565, 0.3087



14.0404, 0.3023, 0.3362



30.3959, 0.2530, 0.4308



1.8478, 0.2475, 0.4110

Inverse Universe

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



32.7601, 0.3782, 0.2982



42.3855, 0.3987, 0.2920



36.3360, 0.4005, 0.3480



12.4825, 0.3244, 0.3219



8.8896, 0.5732, 0.2931



0.5508, 0.5234, 0.2657

Previews

White Background



This preview shows how the Yxy color 56.0446, 0.2734, 0.3629 looks on a white background.

Color Contrast Check

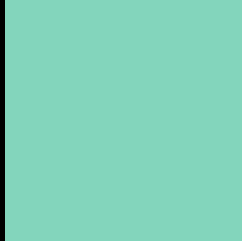
Large Text (above 18pt) WCAG AA × Fail

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 56.0446, 0.2734, 0.3629 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

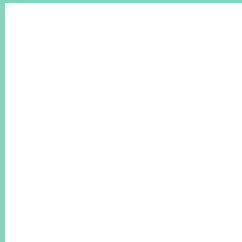
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.0446, 0.2734, 0.3629

Background



This preview shows how black text looks on a background with the Yxy color 56.0446, 0.2734, 0.3629.

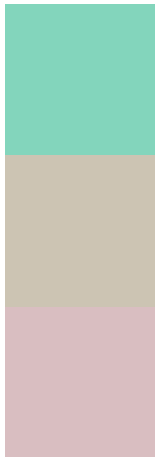


This preview shows how white text looks on a background with the Yxy color 56.0446, 0.2734, 0.3629.

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

56.0446, 0.2734, 0.3629

Protanopia

55.5719, 0.3321, 0.3496

Deuteranopia

55.4289, 0.3328, 0.3256



Tritanopia

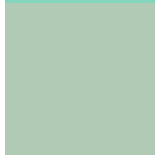
56.0690, 0.2576, 0.3085

Trichromacy



Original Color

56.0446, 0.2734, 0.3629



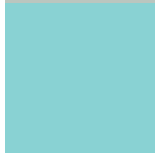
Protanomaly

54.9656, 0.3077, 0.3546



Deuteranomaly

54.5889, 0.3084, 0.3377



Tritanomaly

56.1147, 0.2634, 0.3275

Monochromacy



Original Color

56.0446, 0.2734, 0.3629



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

51.1747, 0.2959, 0.3408

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.0446, 0.2734, 0.3629 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(131, 213, 188)` looks like.

```
.text, #text, p{  
    color:rgb(131, 213, 188)  
}
```

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(131, 213, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 213, 188) }
```

Border

The CSS property to change the border of an element to Yxy 56.0446, 0.2734, 0.3629 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(131, 213, 188) }
```

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

```
.border{ border-color:rgb(131, 213, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 213, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 213, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 213, 188);  
box-shadow:4px 4px 4px 4px rgb(131, 213,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 56.0446, 0.2734, 0.3629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 213, 188) }
```

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

```
.background{ background-color: rgb(131,  
213, 188) }
```

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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