

Converting Colors

$Yxy(56.1162, 0.2836, 0.3444)$

Have a look what the booklet for
Yxy(56.1162, 0.2836, 0.3444)
contains.

Yxy(56.1652, 0.2836, 0.3445)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(56.1652, 0.2836, 0.3445)

Conversions

Conversions Part 1

Format	Color
Hex	9CD0C4
RGB	156, 208, 196
RGB Percent	61%, 82%, 77%
CMY	0.3881, 0.1843, 0.2313
CMYK	0.25, 0.00, 0.06, 0.18
HSL	166°, 36%, 71%
HSV	166°, 25%, 82%
XYZ	46.2364, 56.1652, 60.6323
YIQ	191.0840, -27.1400, -14.7560

Conversions

Conversions Part 2

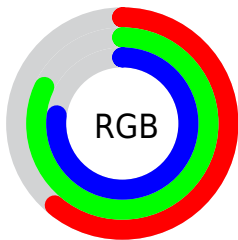
Format	Color
R _{YB}	156, 185, 208
Decimal	10277060
CIE Lab	79.71, -19.30, 0.47
CIE LCh	80, 19.304, 178.602
Yxy	56.1652, 0.2836, 0.3445
Android (android.graphics.Color)	4288467140 (0xFF9CD0C4)
YUV	191.0840, 2.4236, -30.7687
Hunter-Lab	74.9434, -21.0253, 4.4924

Details

The Yxy color **56.1652, 0.2836, 0.3445** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.0289, 0.3530, 0.3141**, and the grayscale version is **52.1550, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4607, 0.2876, 0.3310**, and **27.6190, 0.2759, 0.3485** is the 20% darker color. If you saturate the color by 10%, you get **54.0513, 0.2734, 0.3517**, and if you desaturate by 10%, it is **58.6460, 0.2948, 0.3379**.

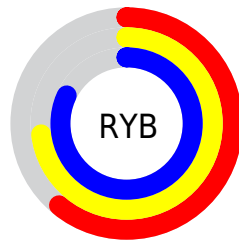
Distribution



Red (61%)

Green (82%)

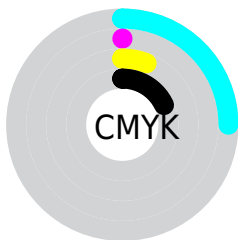
Blue (77%)



Red (61%)

Yellow (73%)

Blue (82%)

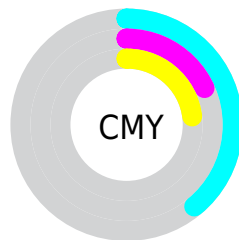


Cyan (25%)

Magenta (0%)

Yellow (6%)

Black (18%)



Cyan (39%)


Magenta (18%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.1652, 0.2836, 0.3445 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 56.1652, 0.2836, 0.3445 by changing the saturation by 10% instead.


 56.1652, 0.2836,
0.3445

 56.1652, 0.2836,
0.3445


410.3138, 0.2977,
0.3370

 40.3354, 0.2802,
0.3463


 99.2461, 0.2886,
0.3418

 27.8001, 0.2759,
0.3486


 127.2659, 0.2905,
0.3408

 18.1751, 0.2704,
0.3516


160.1179, 0.2922,
0.3399

 11.0757, 0.2629,
0.3556

198.1865, 0.2936,
0.3392

 6.1178, 0.2521,
0.3614

241.8559, 0.2948,
0.3385

 2.9168, 0.2355,
0.3704

291.5107, 0.2959,

 1.0885, 0.1975,

0.3380

347.5352, 0.2968,
0.3374

0.3906

0.0000, 0.0000,
0.0000

56.1652, 0.2836,
0.3445

56.1652, 0.2836,
0.3445

54.0513, 0.2734,
0.3517

58.6460, 0.2948,
0.3379

52.2793, 0.2643,
0.3593

61.5037, 0.3067,
0.3318

50.8316, 0.2569,
0.3674

64.7564, 0.3189,
0.3263

49.6866, 0.2511,
0.3758

68.4190, 0.3313,
0.3214

48.8197, 0.2473,
0.3843

71.5369, 0.3398,
0.3169

■ 48.2024, 0.2455,
0.3928

■ 71.7949, 0.3363,
0.3121

■ 47.8002, 0.2455,
0.4013

■ 72.0603, 0.3328,
0.3074

■ 47.6476, 0.2460,
0.4056

■ 72.3331, 0.3293,
0.3027

■ 72.6133, 0.3259,
0.2980

Harmonies

Analogous

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



56.1652, 0.3067, 0.3646



56.1652, 0.2836, 0.3445



56.1652, 0.2686, 0.3205

Triad

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



56.1652, 0.2836, 0.3445



56.1652, 0.2922, 0.2877



56.1652, 0.3628, 0.3551

Complementary

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



56.1652, 0.2836, 0.3445



40.0289, 0.3530, 0.3141

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.



56.1652, 0.3589, 0.3346



56.1652, 0.2836, 0.3445



56.1652, 0.3173, 0.2968

Square

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



56.1652, 0.2836, 0.3445



56.1652, 0.2734, 0.2886



56.1652, 0.3419, 0.3136



56.1652, 0.3528, 0.3699

Rectangle

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



56.1652, 0.2836, 0.3445



56.1652, 0.2648, 0.3062



56.1652, 0.3419, 0.3136



56.1652, 0.3631, 0.3487

Sweetspot

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



56.1675, 0.2836, 0.3445



96.5079, 0.3041, 0.3330



55.8541, 0.3185, 0.3976



20.5954, 0.3034, 0.3334



0.0000, 0.0000, 0.0000



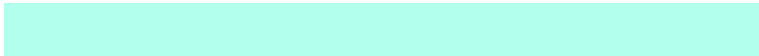
21.4041, 0.3127, 0.3290

Same Dimension

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



56.1675, 0.2836, 0.3445



87.1790, 0.2780, 0.3483



50.2725, 0.2747, 0.3108



13.3585, 0.3013, 0.3344



29.7136, 0.2457, 0.4044



1.6731, 0.2413, 0.3888

Inverse Universe

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



40.0289, 0.3530, 0.3141



57.2926, 0.3647, 0.3108



44.5218, 0.3608, 0.3464



11.8523, 0.3255, 0.3237



8.5032, 0.5973, 0.3064



0.4879, 0.5443, 0.2772

Previews

White Background



This preview shows how the Yxy color 56.1652, 0.2836, 0.3445 looks on a white background.

Color Contrast Check

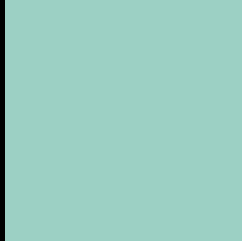
Large Text (above 18pt) WCAG AA × Fail

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 56.1652, 0.2836, 0.3445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

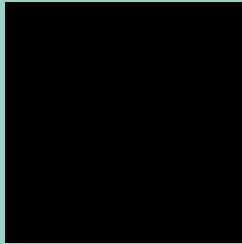
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

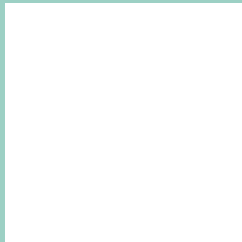
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.1652, 0.2836, 0.3445

Background



This preview shows how black text looks on a background with the Yxy color 56.1652, 0.2836, 0.3445.

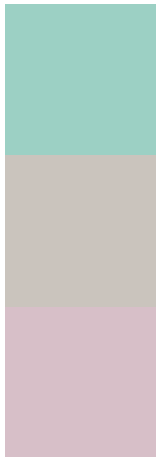


This preview shows how white text looks on a background with the Yxy color 56.1652, 0.2836, 0.3445.

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

56.1652, 0.2836, 0.3445

Protanopia

55.7105, 0.3228, 0.3375

Deuteranopia

55.8788, 0.3255, 0.3186



Tritanopia

55.9833, 0.2712, 0.3077

Trichromacy



Original Color

56.1652, 0.2836, 0.3445

Protanomaly

55.4286, 0.3068, 0.3390

Deuteranomaly

55.5254, 0.3089, 0.3266

Tritanomaly

55.7870, 0.2754, 0.3200

Monochromacy



Original Color

56.1652, 0.2836, 0.3445

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

53.2477, 0.3008, 0.3340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.1652, 0.2836, 0.3445 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(156, 208, 196)` looks like.

```
.text, #text, p{  
    color:rgb(156, 208, 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(156, 208, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 208, 196) }
```

Border

The CSS property to change the border of an element to Yxy 56.1652, 0.2836, 0.3445 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(156, 208, 196) }
```

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

```
.border{ border-color:rgb(156, 208, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 208, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 208, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 208, 196);  
box-shadow:4px 4px 4px 4px rgb(156, 208,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 56.1652, 0.2836, 0.3445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 208, 196) }
```

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

```
.background{ background-color: rgb(156,  
208, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor