

Converting Colors

$Yxy(56.3244, 0.2890, 0.3780)$

Have a look what the booklet for
Yxy(56.3244, 0.2890, 0.3780)
contains.

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Color

Yxy(56.2413, 0.2891, 0.3776)

Conversions

Conversions Part 1

Format	Color
Hex	91D4B0
RGB	145, 212, 176
RGB Percent	57%, 83%, 69%
CMY	0.4312, 0.1686, 0.3099
CMYK	0.32, 0.00, 0.17, 0.17
HSL	148°, 44%, 70%
HSV	148°, 32%, 83%
XYZ	43.0597, 56.2413, 49.6431
YIQ	187.8630, -28.3760, -25.4000

Conversions

Conversions Part 2

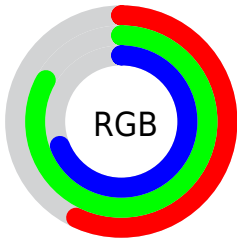
Format	Color
RYB	145, 191, 212
Decimal	9557168
CIELab	79.75, -28.71, 11.16
CIELCh	80, 30.797, 158.762
Yxy	56.2413, 0.2891, 0.3776
Android (android.graphics.Color)	4287747248 (0xFF91D4B0)
YUV	187.8630, -5.8485, -37.5909
Hunter-Lab	74.9942, -28.7497, 13.2484

Details

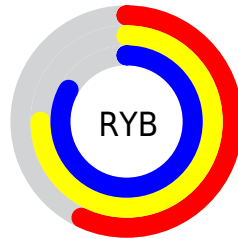
The Yxy color **56.2413, 0.2891, 0.3776** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.6001, 0.3461, 0.2852**, and the grayscale version is **50.2582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6256, 0.2925, 0.3535**, and **27.8193, 0.2827, 0.3923** is the 20% darker color. If you saturate the color by 10%, you get **54.0607, 0.2828, 0.3962**, and if you desaturate by 10%, it is **58.8239, 0.2962, 0.3605**.

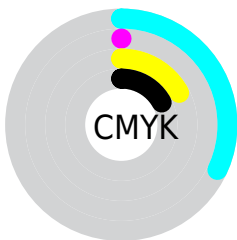
Distribution



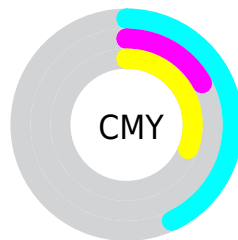
- Red (57%)
- Green (83%)
- Blue (69%)



- Red (57%)
- Yellow (75%)
- Blue (83%)



- Cyan (32%)
- Magenta (0%)
- Yellow (17%)
- Black (17%)



- Cyan (43%)
- Magenta (17%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.2413, 0.2891, 0.3776 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 56.2413, 0.2891, 0.3776 by changing the saturation by 10% instead.

■ 56.2413, 0.2891,
0.3776

■ 56.2413, 0.2891,
0.3776

410.6002, 0.3009,
0.3533

■ 40.3964, 0.2861,
0.3837

■ 99.3573, 0.2934,
0.3687

■ 27.8478, 0.2824,
0.3915

■ 127.3972, 0.2950,
0.3654

■ 18.2109, 0.2773,
0.4019

160.2709, 0.2964,
0.3626

■ 11.1015, 0.2703,
0.4165

198.3628, 0.2975,
0.3602

■ 6.1352, 0.2598,
0.4382

242.0573, 0.2986,
0.3581

■ 2.9274, 0.2427,
0.4739

291.7388, 0.2994,

■ 1.0940, 0.1792,

0.3563

0.6028

347.7916, 0.3002,
0.3547

0.0000, 0.0000,
0.0000

56.2413, 0.2891,
0.3776

56.2413, 0.2891,
0.3776

54.0607, 0.2828,
0.3962

58.8239, 0.2962,
0.3605

52.2541, 0.2776,
0.4162

61.8209, 0.3037,
0.3450

50.8009, 0.2739,
0.4370


65.2527, 0.3115,
0.3311


49.6756, 0.2718,
0.4582


69.1362, 0.3193,
0.3187

48.8490, 0.2718,
0.4791

73.4875, 0.3270,
0.3079

 48.2862, 0.2736,
0.4992

 74.9037, 0.3219,
0.2970

 47.9669, 0.2764,
0.5150

 75.5666, 0.3147,
0.2871

Harmonies

Analogous

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



56.2413, 0.3290, 0.3995



56.2413, 0.2891, 0.3776



56.2413, 0.2569, 0.3402

Triad

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



56.2413, 0.2891, 0.3776



56.2413, 0.2593, 0.2637



56.2413, 0.3915, 0.3477

Complementary

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



56.2413, 0.2891, 0.3776



37.6001, 0.3461, 0.2852

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.



56.2413, 0.3706, 0.3149



56.2413, 0.2891, 0.3776



56.2413, 0.2925, 0.2684

Square

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



56.2413, 0.2891, 0.3776



56.2413, 0.2407, 0.2750



56.2413, 0.3334, 0.2867



56.2413, 0.3895, 0.3783

Rectangle

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



56.2413, 0.2891, 0.3776



56.2413, 0.2436, 0.3140



56.2413, 0.3334, 0.2867



56.2413, 0.3869, 0.3366

Sweetspot

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



56.2436, 0.2891, 0.3776



95.1341, 0.3056, 0.3413



59.0614, 0.3359, 0.4140



20.2054, 0.3045, 0.3435



0.0000, 0.0000, 0.0000



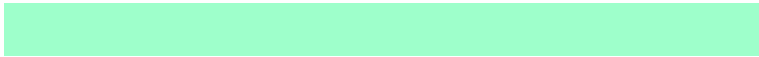
21.4041, 0.3127, 0.3290

Same Dimension

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



56.2436, 0.2891, 0.3776



83.1041, 0.2847, 0.3902



57.6965, 0.2697, 0.3332



13.9905, 0.3054, 0.3418



29.6324, 0.2757, 0.5124



1.8039, 0.2664, 0.4791

Inverse Universe

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



37.6001, 0.3461, 0.2852



50.4132, 0.3560, 0.2755



36.4114, 0.3808, 0.3250



12.5314, 0.3208, 0.3165



9.4127, 0.4787, 0.2411



0.5844, 0.4441, 0.2220

Previews

White Background



This preview shows how the Yxy color 56.2413, 0.2891, 0.3776 looks on a white background.

Color Contrast Check

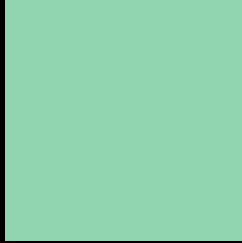
Large Text (above 18pt) WCAG AA × Fail

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 56.2413, 0.2891, 0.3776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

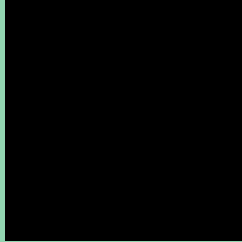
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.2413, 0.2891, 0.3776

Background



This preview shows how black text looks on a background with the Yxy color 56.2413, 0.2891, 0.3776.



This preview shows how white text looks on a background with the Yxy color 56.2413, 0.2891, 0.3776.

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

56.2413, 0.2891, 0.3776

Protanopia

55.5724, 0.3431, 0.3629

Deuteranopia

55.6927, 0.3467, 0.3395



Tritanopia

56.3851, 0.2671, 0.3088

Trichromacy



Original Color

56.2413, 0.2891, 0.3776

Protanomaly

55.3717, 0.3210, 0.3684

Deuteranomaly

55.1122, 0.3236, 0.3526

Tritanomaly

56.0988, 0.2749, 0.3328

Monochromacy



Original Color

56.2413, 0.2891, 0.3776

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

52.1639, 0.3026, 0.3459

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.2413, 0.2891, 0.3776 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(145, 212, 176)` looks like.

```
.text, #text, p{  
    color:rgb(145, 212, 176)  
}
```

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(145, 212, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 212, 176) }
```

Border

The CSS property to change the border of an element to Yxy 56.2413, 0.2891, 0.3776 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(145, 212, 176) }
```

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

```
.border{ border-color:rgb(145, 212, 176) }
```

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

Here you see how a box with a 4 pixel rgb(145, 212, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 212, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 212, 176);  
box-shadow:4px 4px 4px 4px rgb(145, 212,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 56.2413, 0.2891, 0.3776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 212, 176) }
```

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

```
.background{ background-color: rgb(145,  
212, 176) }
```

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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