

Converting Colors

$Yxy(64.0135, 0.2972, 0.3933)$

Have a look what the booklet for
Yxy(64.0135, 0.2972, 0.3933)
contains.

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Color

Yxy(64.0135, 0.2972, 0.3933)

Conversions

Conversions Part 1

Format	Color
Hex	9CE1AF
RGB	156, 225, 175
RGB Percent	61%, 88%, 69%
CMY	0.3883, 0.1176, 0.3136
CMYK	0.31, 0.00, 0.22, 0.12
HSL	137°, 54%, 75%
HSV	137°, 31%, 88%
XYZ	48.3723, 64.0135, 50.3742
YIQ	198.6690, -25.0740, -30.1780

Conversions

Conversions Part 2

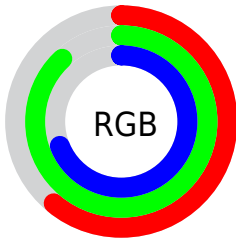
Format	Color
RYB	156, 210, 225
Decimal	10281391
CIELab	83.97, -31.72, 17.68
CIELCh	84, 36.314, 150.861
Yxy	64.0135, 0.2972, 0.3933
Android (android.graphics.Color)	4288471471 (0xFF9CE1AF)
YUV	198.6690, -11.6688, -37.4207
Hunter-Lab	80.0084, -32.0955, 18.6763

Details

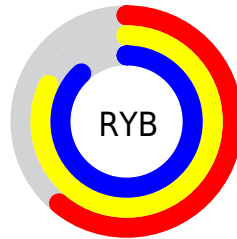
The Yxy color **64.0135, 0.2972, 0.3933** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.2344, 0.3330, 0.2724**, and the grayscale version is **56.9846, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2866, 0.3000, 0.3541**, and **32.6059, 0.2924, 0.4113** is the 20% darker color. If you saturate the color by 10%, you get **61.3736, 0.2928, 0.4188**, and if you desaturate by 10%, it is **67.1517, 0.3021, 0.3699**.

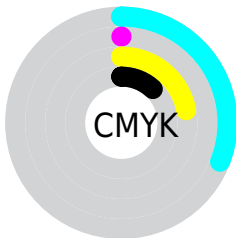
Distribution



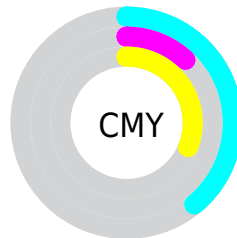
- Red (61%)
- Green (88%)
- Blue (69%)



- Red (61%)
- Yellow (82%)
- Blue (88%)



- Cyan (31%)
- Magenta (0%)
- Yellow (22%)
- Black (12%)





- Cyan (39%)
- Magenta (12%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.0135, 0.2972, 0.3933 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 64.0135, 0.2972, 0.3933 by changing the saturation by 10% instead.


 64.0135, 0.2972,
0.3933

 64.0135, 0.2972,
0.3933

439.2384, 0.3052,
0.3615

 46.6616, 0.2951,
0.4011


 110.6304, 0.3002,
0.3818

 32.7682, 0.2925,
0.4110


 140.6642, 0.3013,
0.3775

 21.9490, 0.2888,
0.4241


175.6940, 0.3022,
0.3738

 13.8194, 0.2837,
0.4421

216.1044, 0.3030,
0.3707

 7.9952, 0.2759,
0.4682

262.2796, 0.3036,
0.3679

 4.0918, 0.2629,
0.5093

314.6040, 0.3042,

 1.7251, 0.2426,

0.3655

0.6013

373.4622, 0.3048,
0.3634

0.4398, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.0135, 0.2972,
0.3933

64.0135, 0.2972,
0.3933

61.3736, 0.2928,
0.4188

67.1517, 0.3021,
0.3699

59.1983, 0.2892,
0.4459

70.8042, 0.3072,
0.3489

57.4622, 0.2867,
0.4738

74.9957, 0.3124,
0.3302

56.1340, 0.2856,
0.5013

79.7472, 0.3175,
0.3138

■ 55.1781, 0.2861,
0.5271

■ 82.3340, 0.3141,
0.2999

■ 54.5526, 0.2881,
0.5498

■ 54.2025, 0.2909,
0.5672

Harmonies

Analogous

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



64.0135, 0.3424, 0.4114



64.0135, 0.2972, 0.3933



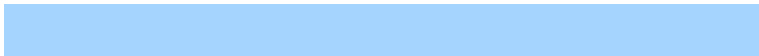
64.0135, 0.2580, 0.3535

Triad

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



64.0135, 0.2972, 0.3933



64.0135, 0.2455, 0.2573



64.0135, 0.3980, 0.3396

Complementary

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



64.0135, 0.2972, 0.3933



44.2344, 0.3330, 0.2724

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.



64.0135, 0.3682, 0.3039



64.0135, 0.2972, 0.3933



64.0135, 0.2787, 0.2583

Square

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



64.0135, 0.2972, 0.3933



64.0135, 0.2299, 0.2743



64.0135, 0.3235, 0.2751



64.0135, 0.4025, 0.3754

Rectangle

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



64.0135, 0.2972, 0.3933



64.0135, 0.2400, 0.3230



64.0135, 0.3235, 0.2751



64.0135, 0.3906, 0.3273

Sweetspot

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



64.0162, 0.2972, 0.3933



94.8796, 0.3080, 0.3457



69.4616, 0.3448, 0.4091



20.1430, 0.3073, 0.3486



0.0000, 0.0000, 0.0000



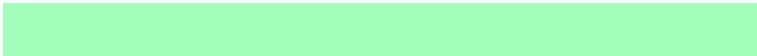
21.4041, 0.3127, 0.3290

Same Dimension

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



64.0162, 0.2972, 0.3933



82.6347, 0.2942, 0.4099



65.5187, 0.2776, 0.3489



15.3991, 0.3078, 0.3464



31.2489, 0.2902, 0.5646



2.1809, 0.2816, 0.5339

Inverse Universe

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



44.2344, 0.3330, 0.2724



52.2833, 0.3387, 0.2602



42.7617, 0.3656, 0.3103



13.8677, 0.3180, 0.3122



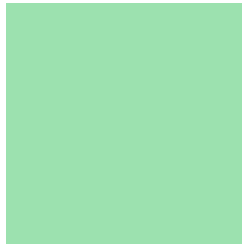
10.7675, 0.4053, 0.2006



0.7612, 0.3893, 0.1918

Previews

White Background



This preview shows how the Yxy color 64.0135, 0.2972, 0.3933 looks on a white background.

Color Contrast Check

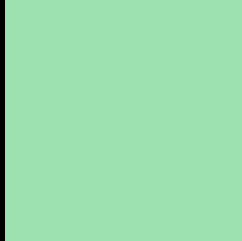
Large Text (above 18pt) WCAG AA × Fail

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 64.0135, 0.2972, 0.3933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

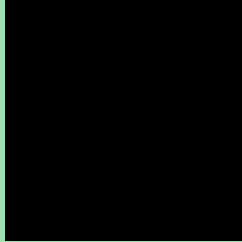
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.0135, 0.2972, 0.3933

Background



This preview shows how black text looks on a background with the Yxy color 64.0135, 0.2972, 0.3933.



This preview shows how white text looks on a background with the Yxy color 64.0135, 0.2972, 0.3933.

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**

64.0135, 0.2972, 0.3933

Protanopia

63.2739, 0.3527, 0.3760

Deuteranopia

63.4193, 0.3593, 0.3520



Tritanopia

63.8911, 0.2697, 0.3087

Trichromacy



Original Color

64.0135, 0.2972, 0.3933



Protanomaly

62.8657, 0.3303, 0.3822



Deuteranomaly

62.8628, 0.3346, 0.3666



Tritanomaly

63.8830, 0.2795, 0.3375

Monochromacy



Original Color

64.0135, 0.2972, 0.3933



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

58.8967, 0.3065, 0.3513

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.0135, 0.2972, 0.3933 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, 225, 175)` looks like.

```
.text, #text, p{  
    color:rgb(156, 225, 175)  
}
```

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, 225, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 225, 175) }
```

Border

The CSS property to change the border of an element to Yxy 64.0135, 0.2972, 0.3933 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, 225, 175) }
```

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

```
.border{ border-color:rgb(156, 225, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 225, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 225, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 225, 175);  
box-shadow:4px 4px 4px 4px rgb(156, 225,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 64.0135, 0.2972, 0.3933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 225, 175) }
```

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

```
.background{ background-color: rgb(156,  
225, 175) }
```

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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