

Converting Colors

$Yxy(51.3488, 0.2920, 0.3732)$

Have a look what the booklet for
Yxy(51.3488, 0.2920, 0.3732)
contains.

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Color

Yxy(51.1631, 0.2923, 0.3734)

Conversions

Conversions Part 1

Format	Color
Hex	91CAAA
RGB	145, 202, 170
RGB Percent	57%, 79%, 67%
CMY	0.4315, 0.2078, 0.3332
CMYK	0.28, 0.00, 0.16, 0.21
HSL	146°, 35%, 68%
HSV	146°, 28%, 79%
XYZ	40.0508, 51.1631, 45.8056
YIQ	181.3090, -23.7000, -22.0360

Conversions

Conversions Part 2

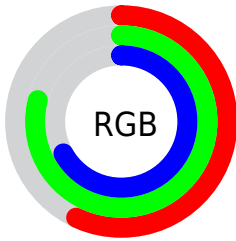
Format	Color
RYB	145, 185, 202
Decimal	9554602
CIELab	76.78, -25.05, 10.10
CIELCh	77, 27.011, 158.037
Yxy	51.1631, 0.2923, 0.3734
Android (android.graphics.Color)	4287744682 (0xFF91CAA)
YUV	181.3090, -5.5753, -31.8430
Hunter-Lab	71.5284, -25.2274, 12.1015

Details

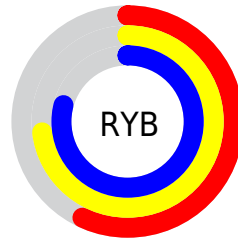
The Yxy color **51.1631, 0.2923, 0.3734** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.9719, 0.3402, 0.2886**, and the grayscale version is **46.4233, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.2356, 0.2962, 0.3613**, and **24.8150, 0.2864, 0.3868** is the 20% darker color. If you saturate the color by 10%, you get **49.0803, 0.2860, 0.3923**, and if you desaturate by 10%, it is **53.6133, 0.2993, 0.3561**.

Distribution



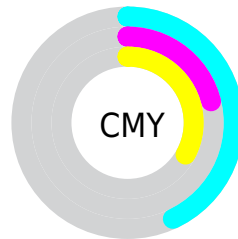
- Red (57%)
- Green (79%)
- Blue (67%)



- Red (57%)
- Yellow (73%)
- Blue (79%)



- Cyan (28%)
- Magenta (0%)
- Yellow (16%)
- Black (21%)





- Cyan (43%)
- Magenta (21%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.1631, 0.2923, 0.3734 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 51.1631, 0.2923, 0.3734 by changing the saturation by 10% instead.

 51.1631, 0.2923,
0.3734

 51.1631, 0.2923,
0.3734


391.1971, 0.3027,
0.3509

 36.3384, 0.2897,
0.3791


 91.8958, 0.2961,
0.3651

 24.6957, 0.2862,
0.3866


 118.5726, 0.2975,
0.3621

 15.8505, 0.2816,
0.3966


149.9690, 0.2987,
0.3595

 9.4184, 0.2751,
0.4107

186.4692, 0.2997,
0.3572

 5.0151, 0.2651,
0.4323

228.4578, 0.3006,
0.3553

 2.2561, 0.2482,
0.4690

276.3190, 0.3014,

 0.7503, 0.1056,

0.3536

0.7794

330.4373, 0.3021,
0.3522

0.0000, 0.0000,
0.0000

51.1631, 0.2923,
0.3734

51.1631, 0.2923,
0.3734

49.0803, 0.2860,
0.3923

53.6133, 0.2993,
0.3561

47.3404, 0.2806,
0.4126

56.4416, 0.3066,
0.3406

45.9256, 0.2765,
0.4340

59.6657, 0.3140,
0.3267

44.8139, 0.2740,
0.4560

63.3007, 0.3215,
0.3144

43.9807, 0.2734,
0.4778

67.3607, 0.3287,
0.3036

■ 43.3968, 0.2747,
0.4989

■ 69.6775, 0.3273,
0.2931

■ 43.0187, 0.2777,
0.5184

■ 70.3645, 0.3191,
0.2824

■ 42.9618, 0.2782,
0.5217

■ 70.7250, 0.3151,
0.2772

Harmonies

Analogous

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



51.1631, 0.3286, 0.3927



51.1631, 0.2923, 0.3734



51.1631, 0.2627, 0.3401

Triad

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



51.1631, 0.2923, 0.3734



51.1631, 0.2636, 0.2696



51.1631, 0.3838, 0.3456

Complementary

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



51.1631, 0.2923, 0.3734



35.9719, 0.3402, 0.2886

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.



51.1631, 0.3644, 0.3157



51.1631, 0.2923, 0.3734



51.1631, 0.2937, 0.2734

Square

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



51.1631, 0.2923, 0.3734



51.1631, 0.2469, 0.2805



51.1631, 0.3307, 0.2899



51.1631, 0.3826, 0.3735

Rectangle

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



51.1631, 0.2923, 0.3734



51.1631, 0.2502, 0.3165



51.1631, 0.3307, 0.2899



51.1631, 0.3794, 0.3355

Sweetspot

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



51.1652, 0.2923, 0.3734



95.6191, 0.3067, 0.3404



53.6699, 0.3343, 0.4039



20.3007, 0.3055, 0.3426



0.0000, 0.0000, 0.0000



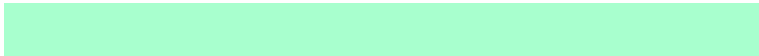
21.4041, 0.3127, 0.3290

Same Dimension

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



51.1652, 0.2923, 0.3734



84.3526, 0.2883, 0.3850



52.3488, 0.2744, 0.3340



12.6175, 0.3057, 0.3423



27.6601, 0.2776, 0.5192



1.4421, 0.2668, 0.4805

Inverse Universe

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



35.9719, 0.3402, 0.2886



54.3817, 0.3483, 0.2793



34.9620, 0.3699, 0.3242



11.3173, 0.3204, 0.3161



8.8694, 0.4688, 0.2356



0.4727, 0.4322, 0.2155

Previews

White Background



This preview shows how the Yxy color 51.1631, 0.2923, 0.3734 looks on a white background.

Color Contrast Check

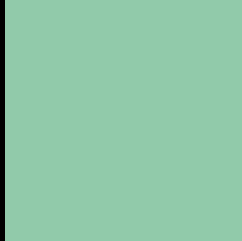
Large Text (above 18pt) WCAG AA × Fail

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 51.1631, 0.2923, 0.3734 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 51.1631, 0.2923, 0.3734

Background



This preview shows how black text looks on a background with the Yxy color 51.1631, 0.2923, 0.3734.



This preview shows how white text looks on a background with the Yxy color 51.1631, 0.2923, 0.3734.

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

51.1631, 0.2923, 0.3734

Protanopia

50.6165, 0.3411, 0.3605

Deuteranopia

50.5089, 0.3455, 0.3387



Tritanopia

51.0056, 0.2704, 0.3081

Trichromacy



Original Color

51.1631, 0.2923, 0.3734

Protanomaly

50.4768, 0.3216, 0.3645

Deuteranomaly

50.1037, 0.3243, 0.3495

Tritanomaly

50.9034, 0.2780, 0.3302

Monochromacy



Original Color

51.1631, 0.2923, 0.3734

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.8943, 0.3047, 0.3451

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.1631, 0.2923, 0.3734 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, 202, 170)` looks like.

```
.text, #text, p{  
    color:rgb(145, 202, 170)  
}
```

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, 202, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 202, 170) }
```

Border

The CSS property to change the border of an element to Yxy 51.1631, 0.2923, 0.3734 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, 202, 170) }
```

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

```
.border{ border-color:rgb(145, 202, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 202, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 202, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 202, 170);  
box-shadow:4px 4px 4px 4px rgb(145, 202,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 51.1631, 0.2923, 0.3734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 202, 170) }
```

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

```
.background{ background-color: rgb(145,  
202, 170) }
```

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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