

Converting Colors

$Yxy(51.1648, 0.2991, 0.3632)$

Have a look what the booklet for
Yxy(51.1648, 0.2991, 0.3632)
contains.

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Color

Yxy(51.1719, 0.2990, 0.3628)

Conversions

Conversions Part 1

Format	Color
Hex	9EC7AE
RGB	158, 199, 174
RGB Percent	62%, 78%, 68%
CMY	0.3802, 0.2196, 0.3176
CMYK	0.21, 0.00, 0.13, 0.22
HSL	143°, 27%, 70%
HSV	143°, 21%, 78%
XYZ	42.1731, 51.1719, 47.7021
YIQ	183.8910, -16.4110, -16.4670

Conversions

Conversions Part 2

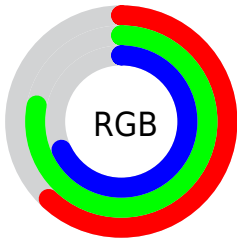
Format	Color
RYB	158, 187, 199
Decimal	10405806
CIELab	76.78, -18.57, 8.07
CIELCh	77, 20.245, 156.504
Yxy	51.1719, 0.2990, 0.3628
Android (android.graphics.Color)	4288595886 (0xFF9EC7AE)
YUV	183.8910, -4.8763, -22.7064
Hunter-Lab	71.5345, -19.9510, 10.5372

Details

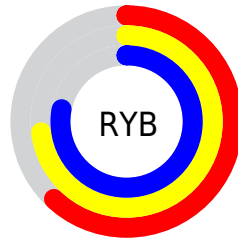
The Yxy color **51.1719, 0.2990, 0.3628** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.0359, 0.3294, 0.2975**, and the grayscale version is **47.9108, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.3233, 0.3017, 0.3562**, and **24.7201, 0.2947, 0.3720** is the 20% darker color. If you saturate the color by 10%, you get **48.8633, 0.2928, 0.3821**, and if you desaturate by 10%, it is **53.8544, 0.3056, 0.3454**.

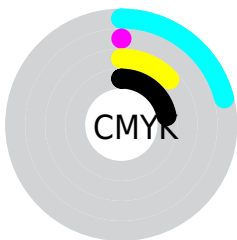
Distribution



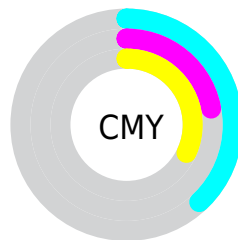
- Red (62%)
- Green (78%)
- Blue (68%)



- Red (62%)
- Yellow (73%)
- Blue (78%)



- Cyan (21%)
- Magenta (0%)
- Yellow (13%)
- Black (22%)





- Cyan (38%)
- Magenta (22%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.1719, 0.2990, 0.3628 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 51.1719, 0.2990, 0.3628 by changing the saturation by 10% instead.


 51.1719, 0.2990,
0.3628


 51.1719, 0.2990,
0.3628

391.2313, 0.3059,
0.3458

 36.3454, 0.2972,
0.3671

 91.9088, 0.3015,
0.3566

 24.7011, 0.2950,
0.3727


 118.5881, 0.3025,
0.3542

 15.8545, 0.2919,
0.3801


149.9870, 0.3033,
0.3523

 9.4213, 0.2876,
0.3906

186.4901, 0.3040,
0.3506

 5.0170, 0.2810,
0.4064

228.4816, 0.3046,
0.3491

 2.2572, 0.2698,
0.4331

276.3461, 0.3051,


 0.7509, 0.2060,


0.3479


0.5937

330.4678, 0.3055,
0.3468


 0.0000, 0.0000,
0.0000


 51.1719, 0.2990,
0.3628


 51.1719, 0.2990,
0.3628

 48.8633, 0.2928,
0.3821


 53.8544, 0.3056,
0.3454


 46.9053, 0.2872,
0.4032


 56.9201, 0.3123,
0.3298


 45.2820, 0.2825,
0.4257

 60.3860, 0.3190,
0.3161

 43.9734, 0.2792,
0.4492

 64.2660, 0.3256,
0.3040

 42.9576, 0.2774,
0.4730

 68.0855, 0.3300,
0.2932

■ 42.2095, 0.2775,
0.4962

■ 68.8107, 0.3211,
0.2817

■ 41.6997, 0.2794,
0.5180

■ 69.3225, 0.3153,
0.2742

■ 41.3859, 0.2824,
0.5366

Harmonies

Analogous

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



51.1719, 0.3264, 0.3765



51.1719, 0.2990, 0.3628



51.1719, 0.2759, 0.3389

Triad

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



51.1719, 0.2990, 0.3628



51.1719, 0.2747, 0.2841



51.1719, 0.3653, 0.3410

Complementary

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



51.1719, 0.2990, 0.3628



40.0359, 0.3294, 0.2975

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.



51.1719, 0.3503, 0.3181



51.1719, 0.2990, 0.3628



51.1719, 0.2973, 0.2861

Square

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



51.1719, 0.2990, 0.3628



51.1719, 0.2624, 0.2935



51.1719, 0.3250, 0.2984



51.1719, 0.3655, 0.3622

Rectangle

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



51.1719, 0.2990, 0.3628



51.1719, 0.2659, 0.3214



51.1719, 0.3250, 0.2984



51.1719, 0.3618, 0.3333

Sweetspot

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



51.1740, 0.2990, 0.3628



96.6258, 0.3086, 0.3382



53.4174, 0.3303, 0.3819



20.6066, 0.3082, 0.3392



0.0000, 0.0000, 0.0000



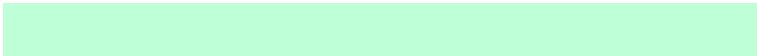
21.4041, 0.3127, 0.3290

Same Dimension

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



51.1740, 0.2990, 0.3628



87.5913, 0.2959, 0.3718



52.0225, 0.2854, 0.3352



11.9552, 0.3064, 0.3434



26.6310, 0.2817, 0.5340



1.2751, 0.2697, 0.4910

Inverse Universe

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



40.0359, 0.3294, 0.2975



64.3530, 0.3343, 0.2898



39.2537, 0.3487, 0.3229



10.7439, 0.3196, 0.3150



8.7203, 0.4483, 0.2243



0.4268, 0.4150, 0.2060

Previews

White Background



This preview shows how the Yxy color 51.1719, 0.2990, 0.3628 looks on a white background.

Color Contrast Check

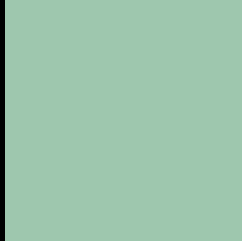
Large Text (above 18pt) WCAG AA × Fail

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 51.1719, 0.2990, 0.3628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

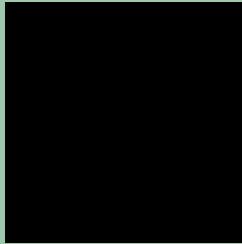
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

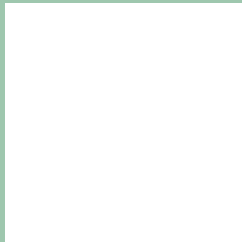
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.1719, 0.2990, 0.3628

Background



This preview shows how black text looks on a background with the Yxy color 51.1719, 0.2990, 0.3628.



This preview shows how white text looks on a background with the Yxy color 51.1719, 0.2990, 0.3628.

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

51.1719, 0.2990, 0.3628

Protanopia

50.6639, 0.3361, 0.3542

Deuteranopia

50.6273, 0.3430, 0.3351



Tritanopia

51.1864, 0.2803, 0.3097

Trichromacy



Original Color

51.1719, 0.2990, 0.3628

Protanomaly

50.6688, 0.3220, 0.3576

Deuteranomaly

50.3075, 0.3254, 0.3442

Tritanomaly

51.1468, 0.2868, 0.3289

Monochromacy



Original Color

51.1719, 0.2990, 0.3628

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.8044, 0.3081, 0.3408

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.1719, 0.2990, 0.3628 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(158, 199, 174)` looks like.

```
.text, #text, p{  
    color:rgb(158, 199, 174)  
}
```

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(158, 199, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 199, 174) }
```

Border

The CSS property to change the border of an element to Yxy 51.1719, 0.2990, 0.3628 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(158, 199, 174) }
```

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

```
.border{ border-color:rgb(158, 199, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 199, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 199, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 199, 174);  
box-shadow:4px 4px 4px 4px rgb(158, 199,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 51.1719, 0.2990, 0.3628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 199, 174) }
```

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

```
.background{ background-color: rgb(158,  
199, 174) }
```

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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