

Converting Colors

Yxy(51.4218, 0.3187, 0.4257)

Have a look what the booklet for
Yxy(51.4218, 0.3187, 0.4257)
contains.

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Color

Yxy(51.4190, 0.3191, 0.4257)

Conversions

Conversions Part 1

Format	Color
Hex	96CC87
RGB	150, 204, 135
RGB Percent	59%, 80%, 53%
CMY	0.4118, 0.2000, 0.4705
CMYK	0.26, 0.00, 0.34, 0.20
HSL	107°, 40%, 66%
HSV	107°, 34%, 80%
XYZ	38.5431, 51.4190, 30.8248
YIQ	179.9880, -10.0350, -32.9070

Conversions

Conversions Part 2

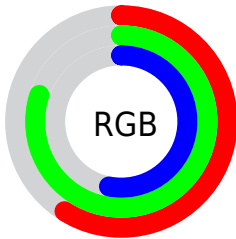
Format	Color
RYB	135, 204, 189
Decimal	9882759
CIELab	76.93, -30.48, 28.90
CIELCh	77, 42.006, 136.521
Yxy	51.4190, 0.3191, 0.4257
Android (android.graphics.Color)	4288072839 (0xFF96CC87)
YUV	179.9880, -22.1791, -26.2995
Hunter-Lab	71.7070, -29.5421, 24.7078

Details

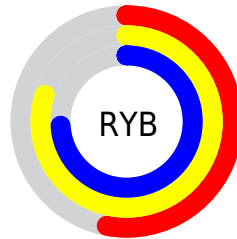
The Yxy color **51.4190, 0.3191, 0.4257** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.5208, 0.3019, 0.2420**, and the grayscale version is **45.7610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.1733, 0.3191, 0.4012**, and **24.9942, 0.3186, 0.4567** is the 20% darker color. If you saturate the color by 10%, you get **49.4868, 0.3200, 0.4589**, and if you desaturate by 10%, it is **53.6724, 0.3176, 0.3940**.

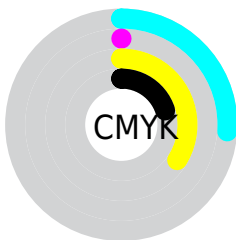
Distribution



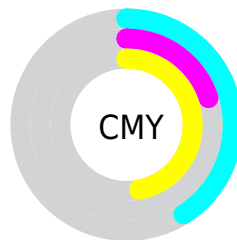
- Red (59%)
- Green (80%)
- Blue (53%)



- Red (53%)
- Yellow (80%)
- Blue (74%)



- Cyan (26%)
- Magenta (0%)
- Yellow (34%)
- Black (20%)





- Cyan (41%)
- Magenta (20%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.4190, 0.3191, 0.4257 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 51.4190, 0.3191, 0.4257 by changing the saturation by 10% instead.


 51.4190, 0.3191,
0.4257


 51.4190, 0.3191,
0.4257

392.1895, 0.3174,
0.3759


 36.5422, 0.3190,
0.4385


 92.2738, 0.3189,
0.4073

 24.8532, 0.3185,
0.4551

 119.0206, 0.3187,
0.4005

 15.9677, 0.3173,
0.4774


 150.4929, 0.3184,
0.3947

 9.5013, 0.3145,
0.5088

187.0749, 0.3182,
0.3898

 5.0696, 0.3077,
0.5554

229.1512, 0.3180,
0.3856

 2.2882, 0.3133,
0.6807

277.1062, 0.3178,

 0.7674, 0.0000,

0.3820

1.0000

331.3241, 0.3176,
0.3787

0.0000, 0.0000,
0.0000

51.4190, 0.3191,
0.4257

51.4190, 0.3191,
0.4257

49.4868, 0.3200,
0.4589

53.6724, 0.3176,
0.3940

47.8545, 0.3200,
0.4924

56.2540, 0.3157,
0.3648

46.5085, 0.3190,
0.5240

59.1789, 0.3136,
0.3383

45.4316, 0.3169,
0.5518

62.4591, 0.3113,
0.3148


44.6043, 0.3138,
0.5735

66.1062, 0.3090,
0.2940

 44.0043, 0.3099,
0.5880

 69.9736, 0.3084,
0.2781

 43.7292, 0.3076,
0.5940

 71.6685, 0.3151,
0.2792

Harmonies

Analogous

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



51.4190, 0.3733, 0.4301



51.4190, 0.3191, 0.4257



51.4190, 0.2658, 0.3862

Triad

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



51.4190, 0.3191, 0.4257



51.4190, 0.2187, 0.2479



51.4190, 0.4048, 0.3195

Complementary

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



51.4190, 0.3191, 0.4257



32.5208, 0.3019, 0.2420

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.



51.4190, 0.3560, 0.2799



51.4190, 0.3191, 0.4257



51.4190, 0.2488, 0.2397

Square

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



51.4190, 0.3191, 0.4257



51.4190, 0.2112, 0.2782



51.4190, 0.2979, 0.2516



51.4190, 0.4260, 0.3637

Rectangle

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



51.4190, 0.3191, 0.4257



51.4190, 0.2379, 0.3482



51.4190, 0.2979, 0.2516



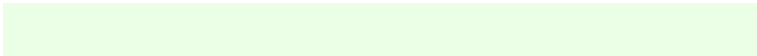
51.4190, 0.3908, 0.3054

Sweetspot

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



51.4212, 0.3191, 0.4257



94.8723, 0.3149, 0.3547



50.5167, 0.3692, 0.3948



20.1626, 0.3152, 0.3585



0.0000, 0.0000, 0.0000



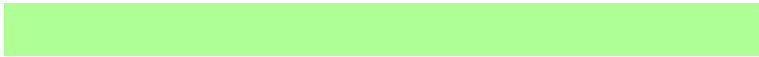
21.4041, 0.3127, 0.3290

Same Dimension

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



51.4212, 0.3191, 0.4257



82.6345, 0.3198, 0.4513



50.6556, 0.2963, 0.4015



12.6523, 0.3148, 0.3527



27.5556, 0.3083, 0.5934



1.4558, 0.3221, 0.5825

Inverse Universe

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



32.5208, 0.3019, 0.2420



46.3876, 0.2985, 0.2219



33.7028, 0.3348, 0.2662



11.2763, 0.3104, 0.3059



7.4747, 0.2670, 0.1244



0.4169, 0.2781, 0.1305

Previews

White Background



This preview shows how the Yxy color 51.4190, 0.3191, 0.4257 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 51.4190, 0.3191, 0.4257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

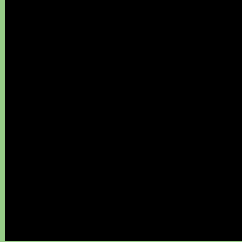
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.4190, 0.3191, 0.4257

Background



This preview shows how black text looks on a background with the Yxy color 51.4190, 0.3191, 0.4257.



This preview shows how white text looks on a background with the Yxy color 51.4190, 0.3191, 0.4257.

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

51.4190, 0.3191, 0.4257

Protanopia

50.9593, 0.3745, 0.4031

Deuteranopia

50.7885, 0.3861, 0.3772



Tritanopia

51.4699, 0.2783, 0.3097

Trichromacy



Original Color

51.4190, 0.3191, 0.4257



Protanomaly

50.5366, 0.3532, 0.4113



Deuteranomaly

50.1005, 0.3601, 0.3938



Tritanomaly

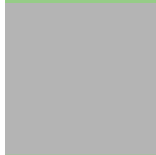
51.0762, 0.2928, 0.3491

Monochromacy



Original Color

51.4190, 0.3191, 0.4257



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

47.5105, 0.3152, 0.3630

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4190, 0.3191, 0.4257 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(150, 204, 135)` looks like.

```
.text, #text, p{  
    color:rgb(150, 204, 135)  
}
```

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(150, 204, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 204, 135) }
```

Border

The CSS property to change the border of an element to Yxy 51.4190, 0.3191, 0.4257 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(150, 204, 135) }
```

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

```
.border{ border-color:rgb(150, 204, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 204, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(150, 204, 135); -webkit-box-shadow:4px 4px 4px 4px rgb(150, 204, 135); box-shadow:4px 4px 4px 4px rgb(150, 204, 135) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4190, 0.3191, 0.4257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 204, 135) }
```

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

```
.background{ background-color: rgb(150,  
204, 135) }
```

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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