

Converting Colors

$Yxy(48.0196, 0.3194, 0.4272)$

Have a look what the booklet for
Yxy(48.0196, 0.3194, 0.4272)
contains.

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Color

Yxy(48.0196, 0.3194, 0.4272)

Conversions

Conversions Part 1

Format	Color
Hex	91C682
RGB	145, 198, 130
RGB Percent	57%, 78%, 51%
CMY	0.4313, 0.2235, 0.4903
CMYK	0.27, 0.00, 0.34, 0.22
HSL	107°, 37%, 64%
HSV	107°, 34%, 78%
XYZ	35.9023, 48.0196, 28.4835
YIQ	174.4010, -9.7600, -32.3840

Conversions

Conversions Part 2

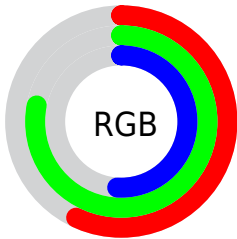
Format	Color
RYB	130, 198, 183
Decimal	9553538
CIELab	74.84, -30.10, 28.71
CIELCh	75, 41.596, 136.363
Yxy	48.0196, 0.3194, 0.4272
Android (android.graphics.Color)	4287743618 (0xFF91C682)
YUV	174.4010, -21.8897, -25.7847
Hunter-Lab	69.2962, -28.7876, 24.1367

Details

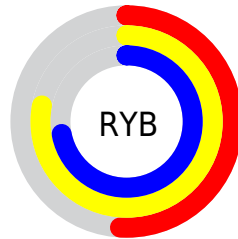
The Yxy color **48.0196, 0.3194, 0.4272** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **30.0938, 0.3014, 0.2407**, and the grayscale version is **42.6655, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2183, 0.3193, 0.4087**, and **22.8529, 0.3190, 0.4575** is the 20% darker color. If you saturate the color by 10%, you get **46.2331, 0.3203, 0.4604**, and if you desaturate by 10%, it is **50.1026, 0.3179, 0.3955**.

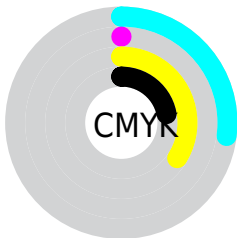
Distribution



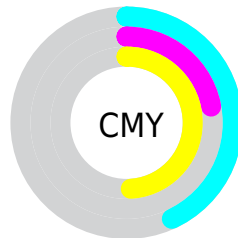
- Red (57%)
- Green (78%)
- Blue (51%)



- Red (51%)
- Yellow (78%)
- Blue (72%)



- Cyan (27%)
- Magenta (0%)
- Yellow (34%)
- Black (22%)





- Cyan (43%)
- Magenta (22%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0196, 0.3194, 0.4272 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 48.0196, 0.3194, 0.4272 by changing the saturation by 10% instead.

 48.0196, 0.3194,
0.4272

 48.0196, 0.3194,
0.4272

378.8698, 0.3176,
0.3760


 33.8424, 0.3193,
0.4405


 87.2336, 0.3191,
0.4082

 22.7726, 0.3188,
0.4580


 113.0392, 0.3189,
0.4011

 14.4257, 0.3175,
0.4816

 143.4897, 0.3187,
0.3952

 8.4173, 0.3143,
0.5151

178.9695, 0.3184,
0.3902

 4.3631, 0.3063,
0.5657

219.8630, 0.3182,
0.3859

 1.8787, 0.3055,
0.6945

266.5547, 0.3180,

 0.5355, 0.0000,

0.3822

1.0000

319.4288, 0.3178,
0.3789

0.0000, 0.0000,
0.0000

48.0196, 0.3194,
0.4272

48.0196, 0.3194,
0.4272

46.2331, 0.3203,
0.4604

50.1026, 0.3179,
0.3955

44.7234, 0.3203,
0.4936

52.4885, 0.3159,
0.3662

43.4780, 0.3193,
0.5251


55.1911, 0.3137,
0.3397


42.4809, 0.3172,
0.5525


58.2218, 0.3114,
0.3160


41.7142, 0.3140,
0.5740


61.5911, 0.3090,
0.2952

 41.1572, 0.3101,
0.5881

 65.3093, 0.3067,
0.2769

 40.9202, 0.3080,
0.5937

 68.4809, 0.3138,
0.2730

 68.8684, 0.3153,
0.2732

Harmonies

Analogous

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



48.0196, 0.3743, 0.4314



48.0196, 0.3194, 0.4272



48.0196, 0.2654, 0.3873

Triad

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



48.0196, 0.3194, 0.4272



48.0196, 0.2175, 0.2470



48.0196, 0.4058, 0.3191

Complementary

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



48.0196, 0.3194, 0.4272



30.0938, 0.3014, 0.2407

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.



48.0196, 0.3562, 0.2791



48.0196, 0.3194, 0.4272



48.0196, 0.2478, 0.2387

Square

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



48.0196, 0.3194, 0.4272



48.0196, 0.2100, 0.2777



48.0196, 0.2974, 0.2506



48.0196, 0.4275, 0.3638

Rectangle

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



48.0196, 0.3194, 0.4272



48.0196, 0.2371, 0.3487



48.0196, 0.2974, 0.2506



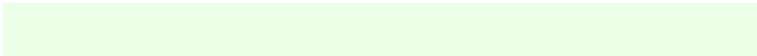
48.0196, 0.3916, 0.3049

Sweetspot

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



48.0217, 0.3194, 0.4272



94.8920, 0.3150, 0.3547



47.1243, 0.3701, 0.3958



20.1673, 0.3153, 0.3585



0.0000, 0.0000, 0.0000



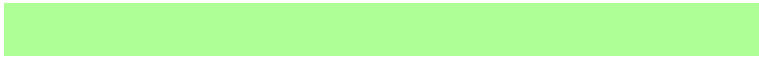
21.4041, 0.3127, 0.3290

Same Dimension

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



48.0217, 0.3194, 0.4272



82.6888, 0.3201, 0.4512



47.2733, 0.2960, 0.4027



11.9992, 0.3149, 0.3526



26.6429, 0.3087, 0.5931



1.2947, 0.3236, 0.5813

Inverse Universe

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



30.0938, 0.3014, 0.2407



46.3080, 0.2981, 0.2217



31.2521, 0.3352, 0.2653



10.6936, 0.3103, 0.3060



7.1689, 0.2659, 0.1239



0.3696, 0.2780, 0.1305

Previews

White Background



This preview shows how the Yxy color 48.0196, 0.3194, 0.4272 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 48.0196, 0.3194, 0.4272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

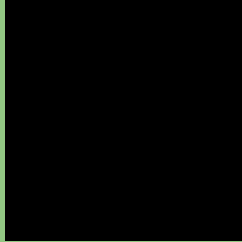
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.0196, 0.3194, 0.4272

Background



This preview shows how black text looks on a background with the Yxy color 48.0196, 0.3194, 0.4272.



This preview shows how white text looks on a background with the Yxy color 48.0196, 0.3194, 0.4272.

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

48.0196, 0.3194, 0.4272

Protanopia

47.4643, 0.3755, 0.4040

Deuteranopia

47.5517, 0.3862, 0.3786



Tritanopia

47.9229, 0.2774, 0.3091

Trichromacy



Original Color

48.0196, 0.3194, 0.4272

Protanomaly

47.0565, 0.3536, 0.4124

Deuteranomaly

47.0508, 0.3604, 0.3956

Tritanomaly

47.6459, 0.2930, 0.3497

Monochromacy



Original Color

48.0196, 0.3194, 0.4272

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

44.1221, 0.3153, 0.3641

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0196, 0.3194, 0.4272 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, 198, 130)` looks like.

```
.text, #text, p{  
    color:rgb(145, 198, 130)  
}
```

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, 198, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 198, 130) }
```

Border

The CSS property to change the border of an element to Yxy 48.0196, 0.3194, 0.4272 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, 198, 130) }
```

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

```
.border{ border-color:rgb(145, 198, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 198, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 198, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 198, 130);  
box-shadow:4px 4px 4px 4px rgb(145, 198,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0196, 0.3194, 0.4272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 198, 130) }
```

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

```
.background{ background-color: rgb(145,  
198, 130) }
```

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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