

Converting Colors

Yxy(59.2228, 0.3230, 0.4489)

Have a look what the booklet for
Yxy(59.2228, 0.3230, 0.4489)
contains.

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Color

Yxy(59.0203, 0.3230, 0.4492)

Conversions

Conversions Part 1

Format	Color
Hex	99DB81
RGB	153, 219, 129
RGB Percent	60%, 86%, 51%
CMY	0.3998, 0.1412, 0.4940
CMYK	0.30, 0.00, 0.41, 0.14
HSL	104°, 56%, 68%
HSV	104°, 41%, 86%
XYZ	42.4389, 59.0203, 29.9306
YIQ	189.0060, -10.4460, -41.9820

Conversions

Conversions Part 2

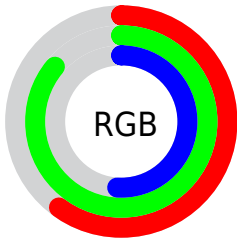
Format	Color
RYB	129, 219, 195
Decimal	10083201
CIELab	81.30, -37.25, 37.72
CIELCh	81, 53.013, 134.638
Yxy	59.0203, 0.3230, 0.4492
Android (android.graphics.Color)	4288273281 (0xFF99DB81)
YUV	189.0060, -29.5830, -31.5773
Hunter-Lab	76.8247, -35.8375, 30.6781

Details

The Yxy color **59.0203, 0.3230, 0.4492** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **32.4175, 0.2943, 0.2212**, and the grayscale version is **51.0774, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4942, 0.3250, 0.4073**, and **29.7536, 0.3221, 0.4841** is the 20% darker color. If you saturate the color by 10%, you get **57.0425, 0.3239, 0.4822**, and if you desaturate by 10%, it is **61.3381, 0.3212, 0.4166**.

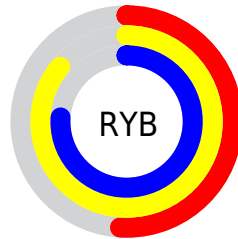
Distribution



Red (60%)

Green (86%)

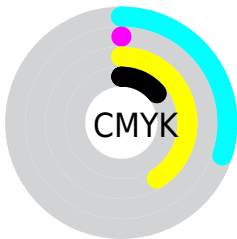
Blue (51%)



Red (51%)

Yellow (86%)

Blue (76%)

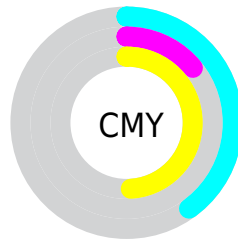


Cyan (30%)

Magenta (0%)

Yellow (41%)

Black (14%)



Cyan (40%)


Magenta (14%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.0203, 0.3230, 0.4492 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 59.0203, 0.3230, 0.4492 by changing the saturation by 10% instead.


 59.0203, 0.3230,
0.4492


 59.0203, 0.3230,
0.4492


420.9771, 0.3203,
0.3883

 42.6295, 0.3228,
0.4644


 103.4072, 0.3226,
0.4270

 29.5945, 0.3222,
0.4837


 132.1720, 0.3223,
0.4187

 19.5310, 0.3204,
0.5091

 165.8303, 0.3220,
0.4117

 12.0546, 0.3165,
0.5437

204.7664, 0.3216,
0.4057

 6.7809, 0.3074,
0.5924

249.3647, 0.3213,
0.4005

 3.3254, 0.3012,
0.6988

300.0097, 0.3210,

 1.3039, 0.1768,

0.3959

0.8232

357.0857, 0.3206,
0.3919

■ 0.1442, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.0203, 0.3230,
0.4492

■ 59.0203, 0.3230,
0.4492

■ 57.0425, 0.3239,
0.4822

■ 61.3381, 0.3212,
0.4166

■ 55.3808, 0.3236,
0.5141


■ 64.0034, 0.3188,
0.3858

■ 54.0197, 0.3219,
0.5426

■ 67.0331, 0.3160,
0.3573


■ 52.9395, 0.3190,
0.5658


■ 70.4405, 0.3130,
0.3316

 52.1175, 0.3149,
0.5822

 74.2383, 0.3100,
0.3087

 51.5743, 0.3108,
0.5914

 78.0849, 0.3104,
0.2936

 79.1400, 0.3144,
0.2940

Harmonies

Analogous

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



59.0203, 0.3873, 0.4491



59.0203, 0.3230, 0.4492



59.0203, 0.2594, 0.4030

Triad

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



59.0203, 0.3230, 0.4492



59.0203, 0.2007, 0.2338



59.0203, 0.4209, 0.3133

Complementary

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



59.0203, 0.3230, 0.4492



32.4175, 0.2943, 0.2212

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.



59.0203, 0.3600, 0.2682



59.0203, 0.3230, 0.4492



59.0203, 0.2337, 0.2238

Square

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



59.0203, 0.3230, 0.4492



59.0203, 0.1934, 0.2700



59.0203, 0.2902, 0.2365



59.0203, 0.4486, 0.3645

Rectangle

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



59.0203, 0.3230, 0.4492



59.0203, 0.2259, 0.3560



59.0203, 0.2902, 0.2365



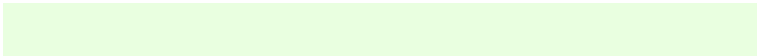
59.0203, 0.4033, 0.2972

Sweetspot

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



59.0228, 0.3230, 0.4492



94.1754, 0.3163, 0.3601



55.0069, 0.3850, 0.4045



20.0319, 0.3167, 0.3637



0.0000, 0.0000, 0.0000



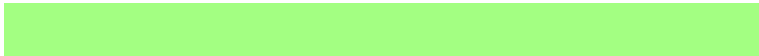
21.4041, 0.3127, 0.3290

Same Dimension

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



59.0228, 0.3230, 0.4492



80.9642, 0.3238, 0.4768



57.4832, 0.2957, 0.4274



14.7736, 0.3156, 0.3529



30.6289, 0.3117, 0.5907



2.0262, 0.3237, 0.5812

Inverse Universe

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



32.4175, 0.2943, 0.2212



38.6695, 0.2892, 0.1995



34.9120, 0.3366, 0.2477



13.0908, 0.3095, 0.3057



7.5514, 0.2545, 0.1176



0.5305, 0.2657, 0.1238

Previews

White Background



This preview shows how the Yxy color 59.0203, 0.3230, 0.4492 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 59.0203, 0.3230, 0.4492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

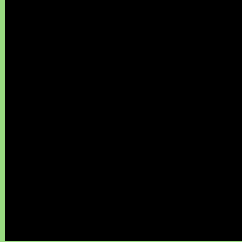
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.0203, 0.3230, 0.4492

Background



This preview shows how black text looks on a background with the Yxy color 59.0203, 0.3230, 0.4492.



This preview shows how white text looks on a background with the Yxy color 59.0203, 0.3230, 0.4492.

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

59.0203, 0.3230, 0.4492

Protanopia

58.3941, 0.3875, 0.4196

Deuteranopia

58.1493, 0.4002, 0.3912



Tritanopia

58.9286, 0.2750, 0.3094

Trichromacy



Original Color

59.0203, 0.3230, 0.4492



Protanomaly

58.3282, 0.3620, 0.4307



Deuteranomaly

57.4898, 0.3697, 0.4115



Tritanomaly

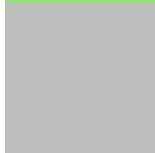
58.5476, 0.2929, 0.3585

Monochromacy



Original Color

59.0203, 0.3230, 0.4492



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

53.3287, 0.3177, 0.3721

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.0203, 0.3230, 0.4492 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(153, 219, 129)` looks like.

```
.text, #text, p{  
    color:rgb(153, 219, 129)  
}
```

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(153, 219, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 219, 129) }
```

Border

The CSS property to change the border of an element to Yxy 59.0203, 0.3230, 0.4492 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(153, 219, 129) }
```

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

```
.border{ border-color:rgb(153, 219, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 219, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 219, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 219, 129); box-shadow:4px 4px 4px 4px rgb(153, 219, 129) }
```


Background

The CSS property to change the background color of an element to Yxy 59.0203, 0.3230, 0.4492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 219, 129) }
```

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

```
.background{ background-color: rgb(153,  
219, 129) }
```

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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