

Converting Colors

$Yxy(60.6266, 0.3220, 0.4509)$

Have a look what the booklet for
Yxy(60.6266, 0.3220, 0.4509)
contains.

Yxy(60.6266, 0.3220, 0.4509)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(60.6266, 0.3220, 0.4509)

Conversions

Conversions Part 1

Format	Color
Hex	99DE82
RGB	153, 222, 130
RGB Percent	60%, 87%, 51%
CMY	0.3998, 0.1294, 0.4902
CMYK	0.31, 0.00, 0.41, 0.13
HSL	105°, 58%, 69%
HSV	105°, 41%, 87%
XYZ	43.2951, 60.6266, 30.5352
YIQ	190.8810, -11.5920, -43.2400

Conversions

Conversions Part 2

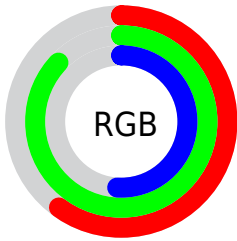
Format	Color
RYB	130, 222, 199
Decimal	10083970
CIELab	82.18, -38.47, 38.36
CIElCh	82, 54.325, 135.079
Yxy	60.6266, 0.3220, 0.4509
Android (android.graphics.Color)	4288274050 (0xFF99DE82)
YUV	190.8810, -30.0143, -33.2216
Hunter-Lab	77.8631, -37.0070, 31.2527

Details

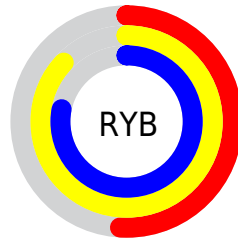
The Yxy color **60.6266, 0.3220, 0.4509** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **33.3683, 0.2955, 0.2206**, and the grayscale version is **52.2178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5360, 0.3244, 0.4062**, and **30.4896, 0.3210, 0.4847** is the 20% darker color. If you saturate the color by 10%, you get **58.5879, 0.3226, 0.4842**, and if you desaturate by 10%, it is **63.0247, 0.3205, 0.4181**.

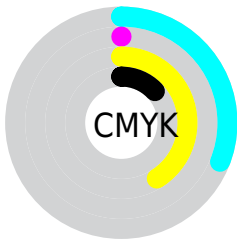
Distribution



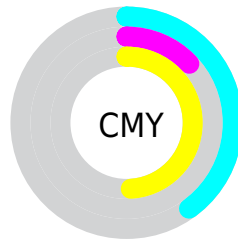
- Red (60%)
- Green (87%)
- Blue (51%)



- Red (51%)
- Yellow (87%)
- Blue (78%)



- Cyan (31%)
- Magenta (0%)
- Yellow (41%)
- Black (13%)




- Cyan (40%)
- Magenta (13%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.6266, 0.3220, 0.4509 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 60.6266, 0.3220, 0.4509 by changing the saturation by 10% instead.


 60.6266, 0.3220,
0.4509


 60.6266, 0.3220,
0.4509


426.9036, 0.3199,
0.3894


 43.9239, 0.3217,
0.4662


 105.7381, 0.3219,
0.4286

 30.6107, 0.3208,
0.4856


 134.9157, 0.3216,
0.4202

 20.3026, 0.3189,
0.5110


 169.0203, 0.3213,
0.4131

 12.6152, 0.3146,
0.5455

208.4364, 0.3210,
0.4070

 7.1641, 0.3053,
0.5939

253.5484, 0.3208,
0.4017

 3.5649, 0.2995,
0.7005

304.7407, 0.3205,

 1.4333, 0.1928,

0.3971

0.8072

362.3976, 0.3202,
0.3930

■ 0.2411, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.6266, 0.3220,
0.4509

■ 60.6266, 0.3220,
0.4509

■ 58.5879, 0.3226,
0.4842

■ 63.0247, 0.3205,
0.4181

■ 56.8833, 0.3221,
0.5161


■ 65.7908, 0.3184,
0.3870


■ 55.4960, 0.3204,
0.5447


■ 68.9428, 0.3159,
0.3583


■ 54.4046, 0.3173,
0.5677


■ 72.4951, 0.3131,
0.3325

 53.5848, 0.3133,
0.5838

 76.4613, 0.3103,
0.3095

 53.0707, 0.3096,
0.5924

 80.3157, 0.3127,
0.2968

 80.7196, 0.3142,
0.2970

Harmonies

Analogous

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



60.6266, 0.3873, 0.4512



60.6266, 0.3220, 0.4509



60.6266, 0.2577, 0.4033

Triad

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



60.6266, 0.3220, 0.4509



60.6266, 0.1995, 0.2321



60.6266, 0.4233, 0.3137

Complementary

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



60.6266, 0.3220, 0.4509



33.3683, 0.2955, 0.2206

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.



60.6266, 0.3617, 0.2680



60.6266, 0.3220, 0.4509



60.6266, 0.2333, 0.2224

Square

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



60.6266, 0.3220, 0.4509



60.6266, 0.1918, 0.2683



60.6266, 0.2908, 0.2357



60.6266, 0.4508, 0.3656

Rectangle

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



60.6266, 0.3220, 0.4509



60.6266, 0.2240, 0.3553



60.6266, 0.2908, 0.2357



60.6266, 0.4056, 0.2974

Sweetspot

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



60.6292, 0.3220, 0.4509



94.0915, 0.3160, 0.3601



57.2820, 0.3850, 0.4068



20.0122, 0.3164, 0.3638



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.



60.6292, 0.3220, 0.4509



80.4844, 0.3226, 0.4807



59.2340, 0.2947, 0.4264



15.5024, 0.3153, 0.3530



31.5692, 0.3104, 0.5917



2.2301, 0.3213, 0.5830

Inverse Universe

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



33.3683, 0.2955, 0.2206



38.2210, 0.2903, 0.1976



35.6863, 0.3384, 0.2486



13.7536, 0.3098, 0.3056



8.0246, 0.2584, 0.1197



0.5977, 0.2684, 0.1252

Previews

White Background



This preview shows how the Yxy color 60.6266, 0.3220, 0.4509 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 60.6266, 0.3220, 0.4509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

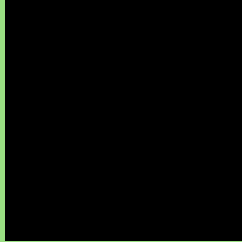
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.6266, 0.3220, 0.4509

Background



This preview shows how black text looks on a background with the Yxy color 60.6266, 0.3220, 0.4509.



This preview shows how white text looks on a background with the Yxy color 60.6266, 0.3220, 0.4509.

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

60.6266, 0.3220, 0.4509

Protanopia

60.1454, 0.3870, 0.4210

Deuteranopia

60.0409, 0.4005, 0.3925



Tritanopia

60.5696, 0.2736, 0.3096

Trichromacy



Original Color

60.6266, 0.3220, 0.4509



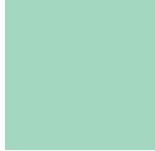
Protanomaly

59.9652, 0.3610, 0.4323



Deuteranomaly

59.2328, 0.3695, 0.4130



Tritanomaly

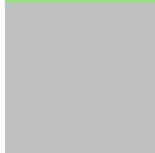
60.1932, 0.2911, 0.3582

Monochromacy



Original Color

60.6266, 0.3220, 0.4509



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

54.4527, 0.3169, 0.3718

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.6266, 0.3220, 0.4509 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, 222, 130)` looks like.

```
.text, #text, p{  
    color:rgb(153, 222, 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(153, 222, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 222, 130) }
```

Border

The CSS property to change the border of an element to Yxy 60.6266, 0.3220, 0.4509 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, 222, 130) }
```

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

```
.border{ border-color:rgb(153, 222, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 222, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 222, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 222, 130);  
box-shadow:4px 4px 4px 4px rgb(153, 222,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 60.6266, 0.3220, 0.4509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 222, 130) }
```

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

```
.background{ background-color: rgb(153,  
222, 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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