

Converting Colors

Yxy(55.8851, 0.3013, 0.4990)

Have a look what the booklet for
Yxy(55.8851, 0.3013, 0.4990)
contains.

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Color

Yxy(55.8591, 0.3011, 0.4990)

Conversions

Conversions Part 1

Format	Color
Hex	62DE69
RGB	98, 222, 105
RGB Percent	38%, 87%, 41%
CMY	0.6158, 0.1294, 0.5881
CMYK	0.56, 0.00, 0.53, 0.13
HSL	123°, 65%, 63%
HSV	123°, 56%, 87%
XYZ	33.7058, 55.8591, 22.3772
YIQ	171.5860, -36.3470, -62.6750

Conversions

Conversions Part 2

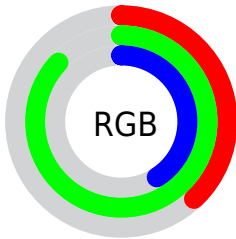
Format	Color
RYB	98, 215, 222
Decimal	6479465
CIELab	79.53, -57.87, 46.69
CIELCh	80, 74.357, 141.107
Yxy	55.8591, 0.3011, 0.4990
Android (android.graphics.Color)	4284669545 (0xFF62DE69)
YUV	171.5860, -32.8269, -64.5349
Hunter-Lab	74.7389, -50.2932, 34.5655

Details

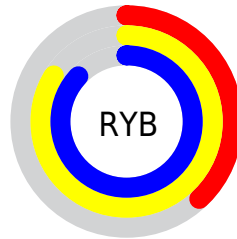
The Yxy color **55.8591, 0.3011, 0.4990** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **29.1614, 0.3262, 0.2035**, and the grayscale version is **41.2145, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2923, 0.3068, 0.4444**, and **27.7116, 0.2910, 0.5510** is the 20% darker color. If you saturate the color by 10%, you get **54.4147, 0.2997, 0.5314**, and if you desaturate by 10%, it is **57.7565, 0.3029, 0.4646**.

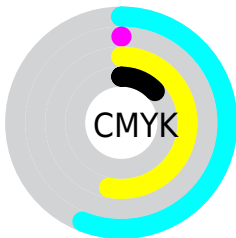
Distribution



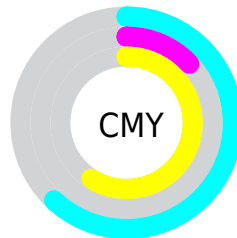
- Red (38%)
- Green (87%)
- Blue (41%)



- Red (38%)
- Yellow (84%)
- Blue (87%)



- Cyan (56%)
- Magenta (0%)
- Yellow (53%)
- Black (13%)





- Cyan (62%)
- Magenta (13%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.8591, 0.3011, 0.4990 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 55.8591, 0.3011, 0.4990 by changing the saturation by 10% instead.


 55.8591, 0.3011,
0.4990


 55.8591, 0.3011,
0.4990


409.1603, 0.3113,
0.4103

 40.0900, 0.2971,
0.5216

 98.7985, 0.3059,
0.4662

 27.6087, 0.2910,
0.5507


 126.7376, 0.3074,
0.4541

 18.0309, 0.2814,
0.5890


 159.5022, 0.3085,
0.4439

 10.9722, 0.2655,
0.6407

 197.4765, 0.3094,
0.4352

 6.0481, 0.2411,
0.7235

241.0451, 0.3100,
0.4277

 2.8744, 0.1827,
0.8173

290.5924, 0.3106,

 1.0665, 0.0000,

0.4211

1.0000

346.5026, 0.3110,
0.4154

■ 0.0000, 0.0000,
0.0000

■ 55.8591, 0.3011,
0.4990

■ 55.8591, 0.3011,
0.4990

■ 54.4147, 0.2997,
0.5314

■ 57.7565, 0.3029,
0.4646

■ 53.3793, 0.2989,
0.5594

■ 60.1327, 0.3050,
0.4306

■ 52.7122, 0.2987,
0.5806


■ 63.0199, 0.3072,
0.3984


■ 52.3608, 0.2991,
0.5938


■ 66.4454, 0.3094,
0.3690

■ 52.2747, 0.2992,
0.5971

■ 70.4348, 0.3115,
0.3428

 75.0118, 0.3135,
0.3199

 80.1989, 0.3153,
0.3001

 80.7265, 0.3142,
0.2970

Harmonies

Analogous

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



55.8591, 0.3908, 0.5030



55.8591, 0.3011, 0.4990



55.8591, 0.2193, 0.4161

Triad

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



55.8591, 0.3011, 0.4990



55.8591, 0.1690, 0.1936



55.8591, 0.4805, 0.3169

Complementary

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



55.8591, 0.3011, 0.4990



29.1614, 0.3262, 0.2035

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.



55.8591, 0.4000, 0.2572



55.8591, 0.3011, 0.4990



55.8591, 0.2177, 0.1896

Square

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



55.8591, 0.3011, 0.4990



55.8591, 0.1523, 0.2299



55.8591, 0.2993, 0.2122



55.8591, 0.5028, 0.3833

Rectangle

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



55.8591, 0.3011, 0.4990



55.8591, 0.1808, 0.3416



55.8591, 0.2993, 0.2122



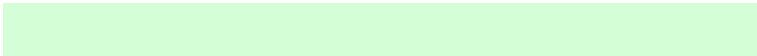
55.8591, 0.4588, 0.2959

Sweetspot

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



55.8614, 0.3011, 0.4990



90.3263, 0.3092, 0.3725



67.6968, 0.3878, 0.4640



19.1214, 0.3087, 0.3783



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.



55.8614, 0.3011, 0.4990



74.2179, 0.2995, 0.5364



57.6009, 0.2700, 0.4087



15.3499, 0.3108, 0.3518



31.0530, 0.2989, 0.5962



2.1570, 0.2959, 0.5852

Inverse Universe

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



29.1614, 0.3262, 0.2035



34.2325, 0.3291, 0.1849



26.5842, 0.4016, 0.2649



13.9214, 0.3147, 0.3072



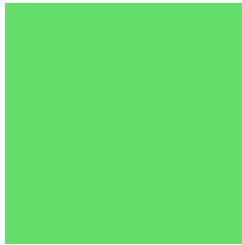
11.9745, 0.3357, 0.1623



0.8342, 0.3332, 0.1609

Previews

White Background



This preview shows how the Yxy color 55.8591, 0.3011, 0.4990 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 55.8591, 0.3011, 0.4990 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 55.8591, 0.3011, 0.4990

Background



This preview shows how black text looks on a background with the Yxy color 55.8591, 0.3011, 0.4990.



This preview shows how white text looks on a background with the Yxy color 55.8591, 0.3011, 0.4990.

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

55.8591, 0.3011, 0.4990

Protanopia

54.9233, 0.4042, 0.4425

Deuteranopia

54.9327, 0.4166, 0.4082



Tritanopia

55.5275, 0.2494, 0.3069

Trichromacy



Original Color

55.8591, 0.3011, 0.4990



Protanomaly

53.4477, 0.3602, 0.4659



Deuteranomaly

53.0210, 0.3668, 0.4419



Tritanomaly

55.1835, 0.2688, 0.3736

Monochromacy



Original Color

55.8591, 0.3011, 0.4990



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

44.9848, 0.3075, 0.3903

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.8591, 0.3011, 0.4990 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(98, 222, 105)` looks like.

```
.text, #text, p{  
    color:rgb(98, 222, 105)  
}
```

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(98, 222, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 222, 105) }
```

Border

The CSS property to change the border of an element to Yxy 55.8591, 0.3011, 0.4990 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(98, 222, 105) }
```

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

```
.border{ border-color:rgb(98, 222, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 222, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 222, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 222, 105);  
box-shadow:4px 4px 4px 4px rgb(98, 222,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 55.8591, 0.3011, 0.4990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 222, 105) }
```

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

```
.background{ background-color: rgb(98, 222,  
105) }
```

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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