

Converting Colors

Yxy(62.4939, 0.3042, 0.5548)

Have a look what the booklet for
Yxy(62.4939, 0.3042, 0.5548)
contains.

Yxy(62.4939, 0.3042, 0.5548)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(62.4939, 0.3042, 0.5548)

Conversions

Conversions Part 1

Format	Color
Hex	4BED45
RGB	75, 237, 69
RGB Percent	29%, 93%, 27%
CMY	0.7054, 0.0706, 0.7295
CMYK	0.68, 0.00, 0.71, 0.07
HSL	118°, 82%, 60%
HSV	118°, 71%, 93%
XYZ	34.2658, 62.4939, 15.8826
YIQ	169.4100, -42.6240, -86.5920

Conversions

Conversions Part 2

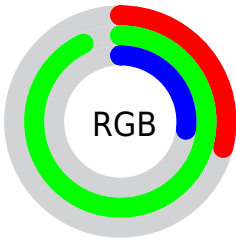
Format	Color
RYB	69, 237, 231
Decimal	4975941
CIELab	83.18, -71.62, 65.71
CIELCh	83, 97.199, 137.464
Yxy	62.4939, 0.3042, 0.5548
Android (android.graphics.Color)	4283166021 (0xFF4BED45)
YUV	169.4100, -49.5021, -82.7976
Hunter-Lab	79.0531, -60.9716, 43.4252

Details

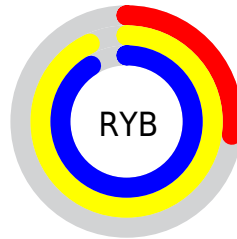
The Yxy color **62.4939, 0.3042, 0.5548** is a dark color, and the websafe version is hex **66FF66**. The color can be described as dark muted green. A complement of this color would be **27.3349, 0.3137, 0.1704**, and the grayscale version is **40.1712, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8660, 0.3139, 0.4868**, and **32.6425, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **61.4958, 0.3026, 0.5781**, and if you desaturate by 10%, it is **63.9451, 0.3058, 0.5247**.

Distribution



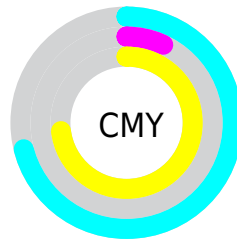
- Red (29%)
- Green (93%)
- Blue (27%)



- Red (27%)
- Yellow (93%)
- Blue (91%)



- Cyan (68%)
- Magenta (0%)
- Yellow (71%)
- Black (7%)





- Cyan (71%)
- Magenta (7%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.4939, 0.3042, 0.5548 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 62.4939, 0.3042, 0.5548 by changing the saturation by 10% instead.


 62.4939, 0.3042,
0.5548


 62.4939, 0.3042,
0.5548


433.7304, 0.3170,
0.4394


 45.4319, 0.2983,
0.5826

 108.4390, 0.3109,
0.5132

 31.7978, 0.2893,
0.6170


 138.0910, 0.3128,
0.4974

 21.2071, 0.2751,
0.6599


 172.7083, 0.3142,
0.4840

 13.2754, 0.2526,
0.7145

 212.6755, 0.3151,
0.4725

 7.6185, 0.2162,
0.7838

 258.3769, 0.3158,
0.4626

 3.8518, 0.1520,
0.8480

310.1969, 0.3164,

 1.5910, 0.0000,

0.4539

1.0000

368.5200, 0.3167,
0.4462

■ 0.3515, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 62.4939, 0.3042,
0.5548

■ 62.4939, 0.3042,
0.5548

■ 61.4958, 0.3026,
0.5781

■ 63.9451, 0.3058,
0.5247


■ 60.8908, 0.3013,
0.5929

■ 65.8857, 0.3074,
0.4903


■ 60.6226, 0.3006,
0.5995


■ 68.3573, 0.3089,
0.4545

■ 71.3949, 0.3101,
0.4195

 75.0305, 0.3112,
0.3868

 79.2938, 0.3120,
0.3573

 84.2125, 0.3127,
0.3312

 89.0468, 0.3135,
0.3117

Harmonies

Analogous

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



62.4939, 0.4104, 0.5338



62.4939, 0.3042, 0.5548



62.4939, 0.2052, 0.4585

Triad

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



62.4939, 0.3042, 0.5548



62.4939, 0.1382, 0.1692



62.4939, 0.5137, 0.2999

Complementary

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



62.4939, 0.3042, 0.5548



27.3349, 0.3137, 0.1704

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.



62.4939, 0.4054, 0.2338



62.4939, 0.3042, 0.5548



62.4939, 0.1883, 0.1625

Square

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



62.4939, 0.3042, 0.5548



62.4939, 0.1229, 0.2134



62.4939, 0.2801, 0.1851



62.4939, 0.5460, 0.3741

Rectangle

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



62.4939, 0.3042, 0.5548



62.4939, 0.1583, 0.3584



62.4939, 0.2801, 0.1851



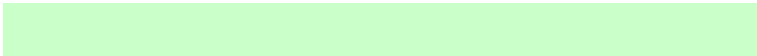
62.4939, 0.4840, 0.2767

Sweetspot

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



62.4965, 0.3042, 0.5548



88.5115, 0.3112, 0.3874



74.2490, 0.4130, 0.4798



18.6756, 0.3109, 0.3962



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.



62.4965, 0.3042, 0.5548



72.2461, 0.3020, 0.5858



63.8629, 0.2728, 0.4607



16.8883, 0.3121, 0.3533



33.1107, 0.3008, 0.5994



2.6092, 0.3030, 0.5976

Inverse Universe

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



27.3349, 0.3137, 0.1704



28.4131, 0.3129, 0.1556



24.8448, 0.4154, 0.2372



15.2841, 0.3132, 0.3058



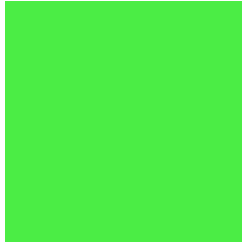
12.3880, 0.3118, 0.1492



0.9815, 0.3132, 0.1499

Previews

White Background



This preview shows how the Yxy color 62.4939, 0.3042, 0.5548 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 62.4939, 0.3042, 0.5548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

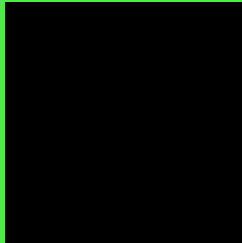
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.4939, 0.3042, 0.5548

Background



This preview shows how black text looks on a background with the Yxy color 62.4939, 0.3042, 0.5548.



This preview shows how white text looks on a background with the Yxy color 62.4939, 0.3042, 0.5548.

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

62.4939, 0.3042, 0.5548

Protanopia

61.3025, 0.4267, 0.4709

Deuteranopia

60.9303, 0.4449, 0.4348



Tritanopia

61.8668, 0.2429, 0.3064

Trichromacy



Original Color

62.4939, 0.3042, 0.5548



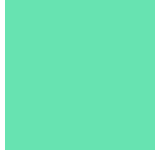
Protanomaly

58.9945, 0.3719, 0.5079



Deuteranomaly

57.6048, 0.3827, 0.4824



Tritanomaly

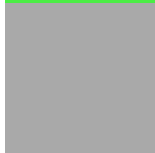
60.9961, 0.2676, 0.3981

Monochromacy



Original Color

62.4939, 0.3042, 0.5548



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

45.4279, 0.3099, 0.4201

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.4939, 0.3042, 0.5548 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(75, 237, 69)` looks like.

```
.text, #text, p{  
    color:rgb(75, 237, 69)  
}
```

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(75, 237, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 237, 69) }
```

Border

The CSS property to change the border of an element to Yxy 62.4939, 0.3042, 0.5548 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(75, 237, 69) }
```

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

```
.border{ border-color:rgb(75, 237, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 237, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 237, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 237, 69);  
box-shadow:4px 4px 4px 4px rgb(75, 237,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 62.4939, 0.3042, 0.5548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 237, 69) }
```

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

```
.background{ background-color: rgb(75, 237,  
69) }
```

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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