

Converting Colors

$Yxy(63.0405, 0.3791, 0.5056)$

Have a look what the booklet for
Yxy(63.0405, 0.3791, 0.5056)
contains.

Yxy(63.0405, 0.3791, 0.5056)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(63.0405, 0.3791, 0.5056)

Conversions

Conversions Part 1

Format	Color
Hex	BADE3F
RGB	186, 222, 63
RGB Percent	73%, 87%, 25%
CMY	0.2706, 0.1294, 0.7530
CMYK	0.16, 0.00, 0.72, 0.13
HSL	74°, 71%, 56%
HSV	74°, 72%, 87%
XYZ	47.2679, 63.0405, 14.3761
YIQ	193.1100, 29.5830, -57.0810

Conversions

Conversions Part 2

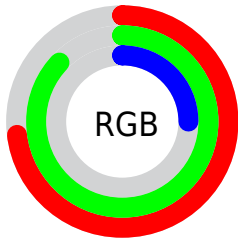
Format	Color
RYB	63, 222, 99
Decimal	12246591
CIELab	83.46, -32.59, 69.65
CIELCh	83, 76.894, 115.073
Yxy	63.0405, 0.3791, 0.5056
Android (android.graphics.Color)	4290436671 (0xFFBADE3F)
YUV	193.1100, -64.1442, -6.2355
Hunter-Lab	79.3980, -32.6805, 44.8434

Details

The Yxy color **63.0405, 0.3791, 0.5056** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **11.4794, 0.1974, 0.1127**, and the grayscale version is **53.7687, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2885, 0.3828, 0.4600**, and **32.3046, 0.3799, 0.5366** is the 20% darker color. If you saturate the color by 10%, you get **62.2247, 0.3814, 0.5208**, and if you desaturate by 10%, it is **63.9842, 0.3742, 0.4861**.

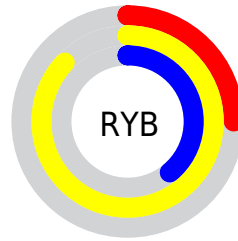
Distribution



Red (73%)

Green (87%)

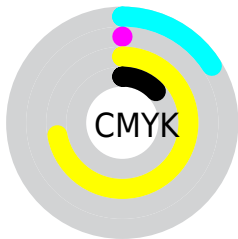
Blue (25%)



Red (25%)

Yellow (87%)

Blue (39%)

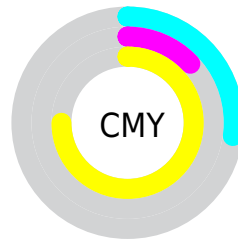


Cyan (16%)

Magenta (0%)

Yellow (72%)

Black (13%)



Cyan (27%)


Magenta (13%)

Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.0405, 0.3791, 0.5056 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 63.0405, 0.3791, 0.5056 by changing the saturation by 10% instead.

 63.0405, 0.3791,
0.5056


 63.0405, 0.3791,
0.5056

435.7165, 0.3547,
0.4217


 45.8740, 0.3820,
0.5238


 109.2279, 0.3726,
0.4769


 32.1464, 0.3841,
0.5454


 139.0176, 0.3694,
0.4655


 21.4733, 0.3839,
0.5706


 173.7839, 0.3664,
0.4557

 13.4704, 0.3809,
0.6026

 213.9110, 0.3637,
0.4471

 7.7533, 0.3662,
0.6338

 259.7834, 0.3612,
0.4396

 3.9375, 0.3343,
0.6657

311.7855, 0.3588,

 1.6387, 0.2749,

0.4329

0.7251

370.3018, 0.3567,
0.4270

0.3835, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

63.0405, 0.3791,
0.5056

63.0405, 0.3791,
0.5056

62.2247, 0.3814,
0.5208

63.9842, 0.3742,
0.4861

61.5151, 0.3811,
0.5313

65.0581, 0.3671,
0.4631

60.9868, 0.3793,
0.5370

66.2747, 0.3582,
0.4377

67.6425, 0.3480,
0.4111

69.1695, 0.3370,
0.3842

70.8628, 0.3257,
0.3580

72.7291, 0.3145,
0.3329

74.7749, 0.3037,
0.3095

76.4942, 0.2981,
0.2953

Harmonies

Analogous

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



63.0405, 0.4566, 0.4588



63.0405, 0.3791, 0.5056



63.0405, 0.2896, 0.4909

Triad

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



63.0405, 0.3791, 0.5056



63.0405, 0.1536, 0.2236



63.0405, 0.4122, 0.2648

Complementary

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



63.0405, 0.3791, 0.5056



11.4794, 0.1974, 0.1127

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.



63.0405, 0.3121, 0.2176



63.0405, 0.3791, 0.5056



63.0405, 0.1743, 0.1922

Square

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



63.0405, 0.3791, 0.5056



63.0405, 0.1646, 0.2947



63.0405, 0.2272, 0.1919



63.0405, 0.4861, 0.3256

Rectangle

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



63.0405, 0.3791, 0.5056



63.0405, 0.2345, 0.4366



63.0405, 0.2272, 0.1919



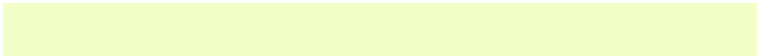
63.0405, 0.3794, 0.2471

Sweetspot

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



63.0433, 0.3791, 0.5056



94.7908, 0.3365, 0.3830



24.5198, 0.5241, 0.3636



20.1592, 0.3396, 0.3904



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.



63.0433, 0.3791, 0.5056



84.6742, 0.3816, 0.5267



55.7948, 0.3233, 0.5432



15.8649, 0.3232, 0.3524



36.2747, 0.3799, 0.5365



2.5532, 0.3863, 0.5315

Inverse Universe

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



11.4794, 0.1974, 0.1127



10.4115, 0.1750, 0.0812



18.1686, 0.2709, 0.1488



13.3922, 0.3016, 0.3050



3.5805, 0.1624, 0.0668



0.2881, 0.1775, 0.0751

Previews

White Background



This preview shows how the Yxy color 63.0405, 0.3791, 0.5056 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 63.0405, 0.3791, 0.5056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

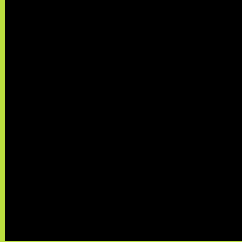
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.0405, 0.3791, 0.5056

Background



This preview shows how black text looks on a background with the Yxy color 63.0405, 0.3791, 0.5056.



This preview shows how white text looks on a background with the Yxy color 63.0405, 0.3791, 0.5056.

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

63.0405, 0.3791, 0.5056

Protanopia

62.7512, 0.4284, 0.4720

Deuteranopia

62.4744, 0.4364, 0.4293



Tritanopia

62.7040, 0.2982, 0.3096

Trichromacy



Original Color

63.0405, 0.3791, 0.5056

Protanomaly

62.5137, 0.4103, 0.4846

Deuteranomaly

62.0732, 0.4162, 0.4572

Tritanomaly

61.6739, 0.3341, 0.3861

Monochromacy



Original Color

63.0405, 0.3791, 0.5056

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

56.2082, 0.3436, 0.4022

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.0405, 0.3791, 0.5056 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(186, 222, 63)` looks like.

```
.text, #text, p{  
    color:rgb(186, 222, 63)  
}
```

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(186, 222, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 222, 63) }
```

Border

The CSS property to change the border of an element to Yxy 63.0405, 0.3791, 0.5056 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(186, 222, 63) }
```

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

```
.border{ border-color:rgb(186, 222, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 222, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 222, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 222, 63);  
box-shadow:4px 4px 4px 4px rgb(186, 222,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 63.0405, 0.3791, 0.5056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 222, 63) }
```

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

```
.background{ background-color: rgb(186,  
222, 63) }
```

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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