

Converting Colors

$Y_{xy}(33.9713, 0.3328, 0.5291)$

Have a look what the booklet for
Yxy(33.9713, 0.3328, 0.5291)
contains.

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Color

Yxy(33.9697, 0.3322, 0.5289)

Conversions

Conversions Part 1

Format	Color
Hex	63B036
RGB	99, 176, 54
RGB Percent	39%, 69%, 21%
CMY	0.6118, 0.3098, 0.7883
CMYK	0.44, 0.00, 0.69, 0.31
HSL	98°, 53%, 45%
HSV	98°, 69%, 69%
XYZ	21.3362, 33.9697, 8.9211
YIQ	139.0690, -6.7300, -54.2660

Conversions

Conversions Part 2

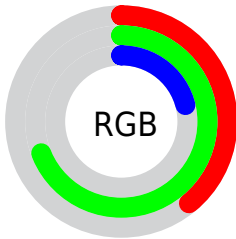
Format	Color
RYB	54, 176, 131
Decimal	6533174
CIELab	64.94, -45.00, 52.68
CIELCh	65, 69.284, 130.501
Yxy	33.9697, 0.3322, 0.5289
Android (android.graphics.Color)	4284723254 (0xFF63B036)
YUV	139.0690, -41.9390, -35.1405
Hunter-Lab	58.2835, -36.6515, 31.7233

Details

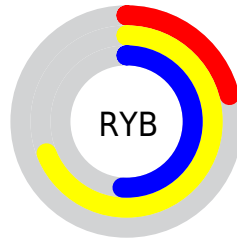
The Yxy color **33.9697, 0.3322, 0.5289** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **10.5982, 0.2598, 0.1487**, and the grayscale version is **26.0134, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7433, 0.3335, 0.4870**, and **14.6170, 0.3186, 0.5852** is the 20% darker color. If you saturate the color by 10%, you get **33.2514, 0.3300, 0.5525**, and if you desaturate by 10%, it is **34.8368, 0.3326, 0.5010**.

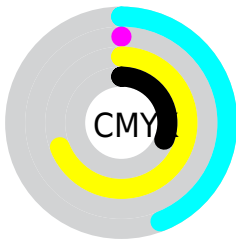
Distribution



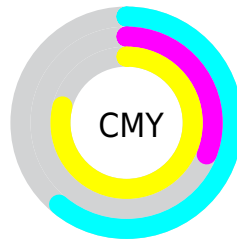
- Red (39%)
- Green (69%)
- Blue (21%)



- Red (21%)
- Yellow (69%)
- Blue (51%)



- Cyan (44%)
- Magenta (0%)
- Yellow (69%)
- Black (31%)




- Cyan (61%)
- Magenta (31%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9697, 0.3322, 0.5289 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 33.9697, 0.3322, 0.5289 by changing the saturation by 10% instead.


 33.9697, 0.3322,
0.5289


 33.9697, 0.3322,
0.5289


319.9969, 0.3292,
0.4184

 22.8703, 0.3293,
0.5585


 65.8865, 0.3335,
0.4868

 14.4978, 0.3228,
0.5967


 87.4728, 0.3332,
0.4715

 8.4677, 0.3102,
0.6493


 113.3235, 0.3326,
0.4588

 4.3956, 0.2821,
0.7179

 143.8230, 0.3320,
0.4482

 1.8972, 0.1997,
0.8003

 179.3557, 0.3313,
0.4391

 0.5467, 0.0000,
1.0000

 220.3060, 0.3306,

 0.0000, 0.0000,

0.4312

0.0000

267.0582, 0.3299,
0.4244

■ 33.9697, 0.3322,
0.5289

■ 33.9697, 0.3322,
0.5289

■ 33.2514, 0.3300,
0.5525

■ 34.8368, 0.3326,
0.5010

■ 32.6673, 0.3262,
0.5703

■ 35.8574, 0.3314,
0.4706

■ 32.2019, 0.3213,
0.5826

■ 37.0413, 0.3289,
0.4393

■ 32.1734, 0.3209,
0.5834

■ 38.3960, 0.3255,
0.4085

■ 39.9285, 0.3214,
0.3793

■ 41.6456, 0.3170,
0.3521

■ 43.5534, 0.3124,
0.3274

■ 45.6580, 0.3079,
0.3052

■ 47.9649, 0.3034,
0.2853

Harmonies

Analogous

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



33.9697, 0.4261, 0.5008



33.9697, 0.3322, 0.5289



33.9697, 0.2382, 0.4667

Triad

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



33.9697, 0.3322, 0.5289



33.9697, 0.1483, 0.1916



33.9697, 0.4715, 0.2905

Complementary

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



33.9697, 0.3322, 0.5289



10.5982, 0.2598, 0.1487

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.



33.9697, 0.3686, 0.2317



33.9697, 0.3322, 0.5289



33.9697, 0.1873, 0.1771

Square

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



33.9697, 0.3322, 0.5289



33.9697, 0.1419, 0.2439



33.9697, 0.2623, 0.1918



33.9697, 0.5198, 0.3587

Rectangle

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



33.9697, 0.3322, 0.5289



33.9697, 0.1887, 0.3858



33.9697, 0.2623, 0.1918



33.9697, 0.4410, 0.2694

Sweetspot

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



33.9712, 0.3322, 0.5289



71.8176, 0.3223, 0.3851



25.2592, 0.4508, 0.4304



15.3992, 0.3234, 0.3929



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



33.9712, 0.3322, 0.5289



59.7307, 0.3283, 0.5624



32.2568, 0.2960, 0.5277



9.6376, 0.3170, 0.3521



23.6357, 0.3217, 0.5828



0.7775, 0.3454, 0.5640

Inverse Universe

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



10.5982, 0.2598, 0.1487



14.5331, 0.2449, 0.1215



14.4690, 0.3398, 0.1911



8.4870, 0.3081, 0.3062



4.8177, 0.2314, 0.1048



0.1834, 0.2569, 0.1189

Previews

White Background



This preview shows how the Yxy color 33.9697, 0.3322, 0.5289 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 33.9697, 0.3322, 0.5289 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 33.9697, 0.3322, 0.5289

Background



This preview shows how black text looks on a background with the Yxy color 33.9697, 0.3322, 0.5289.



This preview shows how white text looks on a background with the Yxy color 33.9697, 0.3322, 0.5289.

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

33.9697, 0.3322, 0.5289

Protanopia

33.5658, 0.4247, 0.4671

Deuteranopia

33.4559, 0.4437, 0.4347



Tritanopia

33.6872, 0.2636, 0.3071

Trichromacy



Original Color

33.9697, 0.3322, 0.5289

Protanomaly

33.0858, 0.3875, 0.4915

Deuteranomaly

32.5961, 0.3992, 0.4696

Tritanomaly

33.1435, 0.2920, 0.3884

Monochromacy



Original Color

33.9697, 0.3322, 0.5289

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

27.8243, 0.3250, 0.4064

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9697, 0.3322, 0.5289 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(99, 176, 54)` looks like.

```
.text, #text, p{  
    color:rgb(99, 176, 54)  
}
```

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(99, 176, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 176, 54) }
```

Border

The CSS property to change the border of an element to Yxy 33.9697, 0.3322, 0.5289 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(99, 176, 54) }
```

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

```
.border{ border-color:rgb(99, 176, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 176, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 176, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 176, 54);  
box-shadow:4px 4px 4px 4px rgb(99, 176,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9697, 0.3322, 0.5289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 176, 54) }
```

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

```
.background{ background-color: rgb(99, 176,  
54) }
```

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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