

Converting Colors

$Y_{xy}(33.1032, 0.3589, 0.3993)$

Have a look what the booklet for
Yxy(33.1032, 0.3589, 0.3993)
contains.

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Color

Yxy(33.2006, 0.3587, 0.3990)

Conversions

Conversions Part 1

Format	Color
Hex	A19E70
RGB	161, 158, 112
RGB Percent	63%, 62%, 44%
CMY	0.3687, 0.3804, 0.5608
CMYK	0.00, 0.02, 0.30, 0.37
HSL	56°, 21%, 54%
HSV	56°, 30%, 63%
XYZ	29.8473, 33.2006, 20.1617
YIQ	153.6530, 16.5540, -13.6700

Conversions

Conversions Part 2

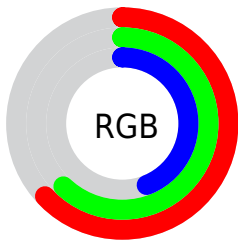
Format	Color
RYB	115, 161, 112
Decimal	10591856
CIELab	64.32, -6.37, 24.49
CIELCh	64, 25.307, 104.570
Yxy	33.2006, 0.3587, 0.3990
Android (android.graphics.Color)	4288781936 (0xFFA19E70)
YUV	153.6530, -20.5349, 6.4433
Hunter-Lab	57.6200, -8.3716, 19.5879

Details

The Yxy color **33.2006, 0.3587, 0.3990** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **18.2722, 0.2609, 0.2478**, and the grayscale version is **32.2408, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8678, 0.3496, 0.3856**, and **14.1368, 0.3723, 0.4214** is the 20% darker color. If you saturate the color by 10%, you get **32.5422, 0.3739, 0.4215**, and if you desaturate by 10%, it is **33.9288, 0.3433, 0.3758**.

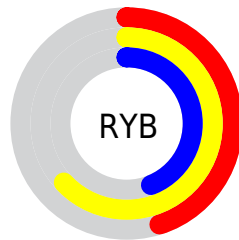
Distribution



Red (63%)

Green (62%)

Blue (44%)



Red (45%)

Yellow (63%)

Blue (44%)

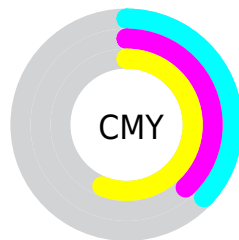


Cyan (0%)

Magenta (2%)

Yellow (30%)

Black (37%)



Cyan (37%)


Magenta (38%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.2006, 0.3587, 0.3990 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 33.2006, 0.3587, 0.3990 by changing the saturation by 10% instead.

 33.2006, 0.3587,
0.3990


 33.2006, 0.3587,
0.3990


316.5527, 0.3350,
0.3617


 22.2802, 0.3647,
0.4090


 64.6886, 0.3500,
0.3849


 14.0629, 0.3725,
0.4221


 86.0249, 0.3467,
0.3798

 8.1644, 0.3826,
0.4402


 111.6020, 0.3440,
0.3755

 4.2003, 0.3961,
0.4661

 141.8043, 0.3416,
0.3719

 1.7863, 0.4481,
0.5476

177.0161, 0.3396,
0.3688

 0.4786, 0.3849,
0.6151

217.6218, 0.3379,

 0.0000, 0.0000,

0.3662

0.0000

264.0059, 0.3363,
0.3638

■ 33.2006, 0.3587,
0.3990

■ 33.2006, 0.3587,
0.3990

■ 32.5422, 0.3739,
0.4215

■ 33.9288, 0.3433,
0.3758

■ 31.9457, 0.3882,
0.4424

■ 34.7254, 0.3280,
0.3526

■ 31.4088, 0.4011,
0.4607


■ 35.5949, 0.3133,
0.3300

■ 30.9273, 0.4120,
0.4756

■ 36.5402, 0.2994,
0.3084

■ 30.4966, 0.4205,
0.4865


■ 37.5637, 0.2865,
0.2882


 30.1111, 0.4264,
0.4932

 38.6681, 0.2746,
0.2694

 29.7723, 0.4302,
0.4966

 39.8558, 0.2637,
0.2522

 41.1289, 0.2538,
0.2365

 42.3680, 0.2459,
0.2239

Harmonies

Analogous

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



33.2006, 0.3850, 0.3823



33.2006, 0.3587, 0.3990



33.2006, 0.3210, 0.3955

Triad

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



33.2006, 0.3587, 0.3990



33.2006, 0.2400, 0.2964



33.2006, 0.3408, 0.2923

Complementary

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



33.2006, 0.3587, 0.3990



18.2722, 0.2609, 0.2478

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.



33.2006, 0.3004, 0.2720



33.2006, 0.3587, 0.3990



33.2006, 0.2443, 0.2727

Square

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



33.2006, 0.3587, 0.3990



33.2006, 0.2535, 0.3324



33.2006, 0.2657, 0.2646



33.2006, 0.3749, 0.3213

Rectangle

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



33.2006, 0.3587, 0.3990



33.2006, 0.2948, 0.3807



33.2006, 0.2657, 0.2646



33.2006, 0.3274, 0.2843

Sweetspot

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



33.2021, 0.3587, 0.3990



62.3899, 0.3261, 0.3497



20.4062, 0.3746, 0.3239



13.6378, 0.3282, 0.3528



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



33.2021, 0.3587, 0.3990



58.6018, 0.3698, 0.4155



32.2098, 0.3355, 0.4087



8.1631, 0.3263, 0.3499



23.8036, 0.4301, 0.4967



0.5208, 0.4258, 0.5001

Inverse Universe

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



18.2722, 0.2609, 0.2478



27.2247, 0.2465, 0.2247



19.1642, 0.2835, 0.2477



6.9259, 0.2987, 0.3072



2.2471, 0.1514, 0.0650



0.0668, 0.1578, 0.0880

Previews

White Background



This preview shows how the Yxy color 33.2006, 0.3587, 0.3990 looks on a white background.

Color Contrast Check

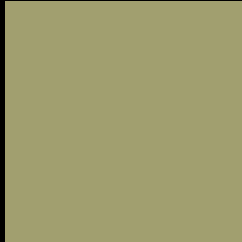
Large Text (above 18pt) WCAG AA × Fail

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 33.2006, 0.3587, 0.3990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

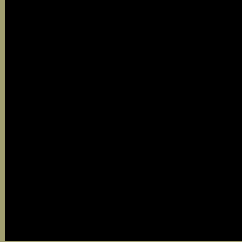
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.2006, 0.3587, 0.3990

Background



This preview shows how black text looks on a background with the Yxy color 33.2006, 0.3587, 0.3990.



This preview shows how white text looks on a background with the Yxy color 33.2006, 0.3587, 0.3990.

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

33.2006, 0.3587, 0.3990

Protanopia

33.2495, 0.3680, 0.3959

Deuteranopia

33.0241, 0.3870, 0.3782



Tritanopia

32.9931, 0.3175, 0.3117

Trichromacy



Original Color

33.2006, 0.3587, 0.3990

Protanomaly

33.2610, 0.3643, 0.3981

Deuteranomaly

32.8788, 0.3766, 0.3856

Tritanomaly

33.1242, 0.3333, 0.3439

Monochromacy



Original Color

33.2006, 0.3587, 0.3990

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.4749, 0.3297, 0.3535

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2006, 0.3587, 0.3990 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(161, 158, 112)` looks like.

```
.text, #text, p{  
    color:rgb(161, 158, 112)  
}
```

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(161, 158, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 158, 112) }
```

Border

The CSS property to change the border of an element to Yxy 33.2006, 0.3587, 0.3990 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(161, 158, 112) }
```

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

```
.border{ border-color:rgb(161, 158, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 158, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 158, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 158, 112);  
box-shadow:4px 4px 4px 4px rgb(161, 158,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2006, 0.3587, 0.3990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 158, 112) }
```

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

```
.background{ background-color: rgb(161,  
158, 112) }
```

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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