

Converting Colors

$Y_{xy}(37.6250, 0.4340, 0.4915)$

Have a look what the booklet for
Yxy(37.6250, 0.4340, 0.4915)
contains.

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Color

Yxy(37.5979, 0.4336, 0.4917)

Conversions

Conversions Part 1

Format	Color
Hex	B6A707
RGB	182, 167, 7
RGB Percent	71%, 65%, 3%
CMY	0.2861, 0.3451, 0.9723
CMYK	0.00, 0.08, 0.96, 0.29
HSL	55°, 93%, 37%
HSV	55°, 96%, 71%
XYZ	33.1553, 37.5979, 5.7119
YIQ	153.2450, 60.3000, -46.5800

Conversions

Conversions Part 2

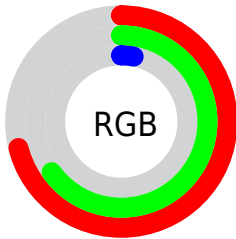
Format	Color
R _Y B	23, 182, 7
Decimal	11970311
CIE Lab	67.72, -8.90, 69.48
CIE LCh	68, 70.049, 97.303
Yxy	37.5979, 0.4336, 0.4917
Android (android.graphics.Color)	4290160391 (0xFFB6A707)
YUV	153.2450, -72.0988, 25.2181
Hunter-Lab	61.3171, -10.7868, 37.3989

Details

The Yxy color **37.5979, 0.4336, 0.4917** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **4.0023, 0.1537, 0.0697**, and the grayscale version is **32.2743, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6843, 0.4174, 0.4664**, and **16.7759, 0.4306, 0.4963** is the 20% darker color. If you saturate the color by 10%, you get **37.3623, 0.4352, 0.4926**, and if you desaturate by 10%, it is **38.2325, 0.4286, 0.4879**.

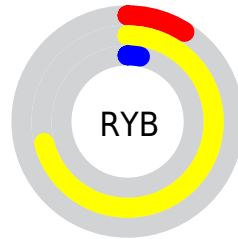
Distribution



Red (71%)

Green (65%)

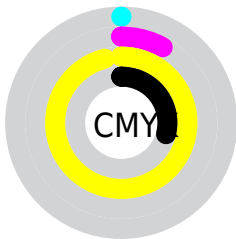
Blue (3%)



Red (9%)

Yellow (71%)

Blue (3%)

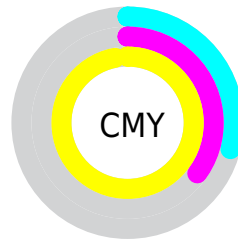


Cyan (0%)

Magenta (8%)

Yellow (96%)

Black (29%)



Cyan (29%)


Magenta (35%)

Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5979, 0.4336, 0.4917 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 37.5979, 0.4336, 0.4917 by changing the saturation by 10% instead.


 37.5979, 0.4336,
0.4917


 37.5979, 0.4336,
0.4917


335.8919, 0.3804,
0.4149


 25.6708, 0.4421,
0.5065


 71.4914, 0.4174,
0.4665


 16.5775, 0.4496,
0.5222


 94.2266, 0.4103,
0.4561


 9.9337, 0.4580,
0.5420


 121.3332, 0.4039,
0.4469

 5.3550, 0.4512,
0.5488

 153.1956, 0.3981,
0.4389

 2.4570, 0.4402,
0.5598

 190.1983, 0.3930,
0.4318

 0.8550, 0.4105,
0.5895

 232.7257, 0.3884,

 0.0000, 0.0000,

0.4255

0.0000

281.1621, 0.3842,
0.4199

■ 37.5979, 0.4336,
0.4917

■ 37.5979, 0.4336,
0.4917

■ 37.3623, 0.4352,
0.4926

■ 38.2325, 0.4286,
0.4879

■ 38.9229, 0.4209,
0.4799

■ 39.6801, 0.4107,
0.4676

■ 40.5112, 0.3982,
0.4514

■ 41.4221, 0.3839,
0.4321

■ 42.4183, 0.3686,
0.4107

■ 43.5047, 0.3528,
0.3881

■ 44.6857, 0.3370,
0.3651

■ 45.9656, 0.3217,
0.3425

Harmonies

Analogous

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



37.5979, 0.4994, 0.4230



37.5979, 0.4336, 0.4917



37.5979, 0.3428, 0.5249

Triad

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



37.5979, 0.4336, 0.4917



37.5979, 0.1461, 0.2542



37.5979, 0.3557, 0.2283

Complementary

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



37.5979, 0.4336, 0.4917



4.0023, 0.1537, 0.0697

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.



37.5979, 0.2539, 0.1914



37.5979, 0.4336, 0.4917



37.5979, 0.1488, 0.1978

Square

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



37.5979, 0.4336, 0.4917



37.5979, 0.1785, 0.3567



37.5979, 0.1839, 0.1798



37.5979, 0.4591, 0.2848

Rectangle

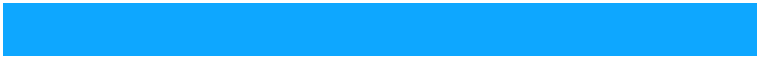
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.5979, 0.4336, 0.4917



37.5979, 0.2792, 0.5015



37.5979, 0.1839, 0.1798



37.5979, 0.3194, 0.2134

Sweetspot

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



37.5997, 0.4336, 0.4917



78.1561, 0.3581, 0.3958



10.1711, 0.6196, 0.3224



17.0780, 0.3649, 0.4054



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



37.5997, 0.4336, 0.4917



67.5323, 0.4355, 0.4924



36.9343, 0.3529, 0.5555



10.3677, 0.3266, 0.3497



26.4215, 0.4350, 0.4928



0.9704, 0.4305, 0.4964

Inverse Universe

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



4.0023, 0.1537, 0.0697



6.6374, 0.1513, 0.0645



5.1121, 0.1889, 0.0833



8.8403, 0.2984, 0.3074



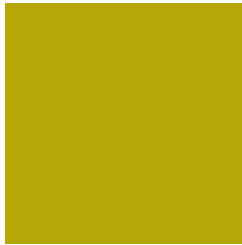
2.6826, 0.1519, 0.0667



0.1364, 0.1588, 0.0917

Previews

White Background



This preview shows how the Yxy color 37.5979, 0.4336, 0.4917 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 37.5979, 0.4336, 0.4917 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 37.5979, 0.4336, 0.4917

Background



This preview shows how black text looks on a background with the Yxy color 37.5979, 0.4336, 0.4917.



This preview shows how white text looks on a background with the Yxy color 37.5979, 0.4336, 0.4917.

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

37.5979, 0.4336, 0.4917

Protanopia

37.3603, 0.4400, 0.4873

Deuteranopia

37.5857, 0.4669, 0.4591



Tritanopia

37.4392, 0.3383, 0.3132

Trichromacy



Original Color

37.5979, 0.4336, 0.4917

Protanomaly

37.5999, 0.4377, 0.4887

Deuteranomaly

37.6723, 0.4552, 0.4712

Tritanomaly

36.5918, 0.3896, 0.3972

Monochromacy



Original Color

37.5979, 0.4336, 0.4917

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

33.2663, 0.3729, 0.4158

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5979, 0.4336, 0.4917 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(182, 167, 7)` looks like.

```
.text, #text, p{  
    color:rgb(182, 167, 7)  
}
```

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(182, 167, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 167, 7) }
```

Border

The CSS property to change the border of an element to Yxy 37.5979, 0.4336, 0.4917 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(182, 167, 7) }
```

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

```
.border{ border-color:rgb(182, 167, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 167, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 167, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 167, 7);  
box-shadow:4px 4px 4px 4px rgb(182, 167,  
7) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5979, 0.4336, 0.4917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 167, 7) }
```

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

```
.background{ background-color: rgb(182,  
167, 7) }
```

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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