

Converting Colors

$Y_{xy}(37.4901, 0.4100, 0.5009)$

Have a look what the booklet for
Yxy(37.4901, 0.4100, 0.5009)
contains.

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Color

Yxy(37.4204, 0.4106, 0.5005)

Conversions

Conversions Part 1

Format	Color
Hex	A7AB1B
RGB	167, 171, 27
RGB Percent	65%, 67%, 11%
CMY	0.3451, 0.3294, 0.8938
CMYK	0.02, 0.00, 0.84, 0.33
HSL	62°, 73%, 39%
HSV	62°, 84%, 67%
XYZ	30.6989, 37.4204, 6.6467
YIQ	153.3880, 43.8400, -45.6320

Conversions

Conversions Part 2

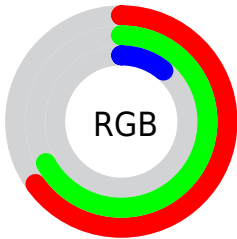
Format	Color
R_{YB}	27, 171, 31
Decimal	10988315
CIE _{Lab}	67.59, -17.25, 65.37
CIE _{LCh}	68, 67.612, 104.782
Yxy	37.4204, 0.4106, 0.5005
Android (android.graphics.Color)	4289178395 (0xFFA7AB1B)
YUV	153.3880, -62.3093, 11.9377
Hunter-Lab	61.1722, -17.4722, 36.3784

Details

The Yxy color **37.4204, 0.4106, 0.5005** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **4.0209, 0.1624, 0.0785**, and the grayscale version is **32.3017, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.1048, 0.3977, 0.4712**, and **16.5732, 0.4081, 0.5142** is the 20% darker color. If you saturate the color by 10%, you get **37.3129, 0.4135, 0.5066**, and if you desaturate by 10%, it is **37.5777, 0.4052, 0.4902**.

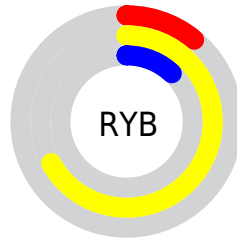
Distribution



Red (65%)

Green (67%)

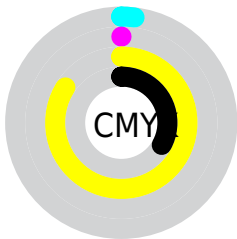
Blue (11%)



Red (11%)

Yellow (67%)

Blue (12%)

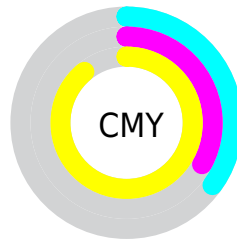


Cyan (2%)

Magenta (0%)

Yellow (84%)

Black (33%)



Cyan (35%)


Magenta (33%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.4204, 0.4106, 0.5005 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 37.4204, 0.4106, 0.5005 by changing the saturation by 10% instead.

 37.4204, 0.4106,
0.5005


 37.4204, 0.4106,
0.5005

335.1271, 0.3683,
0.4156


 25.5332, 0.4169,
0.5187


 71.2189, 0.3980,
0.4713

 16.4747, 0.4219,
0.5395


 93.8989, 0.3923,
0.4597

 9.8607, 0.4296,
0.5704


 120.9453, 0.3872,
0.4497

 5.3067, 0.4159,
0.5841

 152.7425, 0.3826,
0.4410

 2.4283, 0.3938,
0.6062

 189.6749, 0.3785,
0.4334

 0.8404, 0.3100,
0.6900

 232.1269, 0.3747,

 0.0000, 0.0000,

0.4268

0.0000

280.4828, 0.3714,
0.4209

■ 37.4204, 0.4106,
0.5005

■ 37.4204, 0.4106,
0.5005

■ 37.3129, 0.4135,
0.5066

■ 37.5777, 0.4052,
0.4902

■ 37.2609, 0.4145,
0.5091

■ 37.7864, 0.3973,
0.4757

■ 38.0542, 0.3870,
0.4575

■ 38.3861, 0.3750,
0.4362

■ 38.7865, 0.3615,
0.4128

■ 39.2597, 0.3473,
0.3883

■ 39.8092, 0.3328,
0.3634

■ 40.4387, 0.3185,
0.3389

■ 41.1515, 0.3047,
0.3154

Harmonies

Analogous

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



37.4204, 0.4823, 0.4393



37.4204, 0.4106, 0.5005



37.4204, 0.3195, 0.5143

Triad

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



37.4204, 0.4106, 0.5005



37.4204, 0.1480, 0.2390



37.4204, 0.3811, 0.2434

Complementary

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



37.4204, 0.4106, 0.5005



4.0209, 0.1624, 0.0785

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.



37.4204, 0.2782, 0.2017



37.4204, 0.4106, 0.5005



37.4204, 0.1585, 0.1940

Square

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



37.4204, 0.4106, 0.5005



37.4204, 0.1709, 0.3279



37.4204, 0.2011, 0.1839



37.4204, 0.4735, 0.3021

Rectangle

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



37.4204, 0.4106, 0.5005



37.4204, 0.2588, 0.4758



37.4204, 0.2011, 0.1839



37.4204, 0.3456, 0.2272

Sweetspot

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



37.4221, 0.4106, 0.5005



70.1944, 0.3492, 0.3915



9.6405, 0.6001, 0.3316



15.5871, 0.3540, 0.3999



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



37.4221, 0.4106, 0.5005



66.7149, 0.4145, 0.5091



31.7280, 0.3417, 0.5517



9.3187, 0.3259, 0.3514



28.0927, 0.4146, 0.5090



0.7850, 0.4161, 0.5078

Inverse Universe

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



4.0209, 0.1624, 0.0785



5.3056, 0.1507, 0.0604



6.5207, 0.2239, 0.1109



7.7674, 0.2990, 0.3056



2.2435, 0.1511, 0.0606



0.0658, 0.1559, 0.0632

Previews

White Background



This preview shows how the Yxy color 37.4204, 0.4106, 0.5005 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 37.4204, 0.4106, 0.5005 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 37.4204, 0.4106, 0.5005

Background



This preview shows how black text looks on a background with the Yxy color 37.4204, 0.4106, 0.5005.

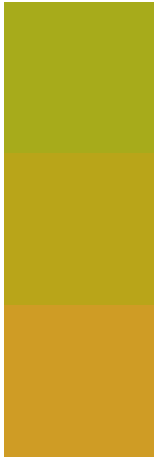


This preview shows how white text looks on a background with the Yxy color 37.4204, 0.4106, 0.5005.

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

37.4204, 0.4106, 0.5005

Protanopia

37.2947, 0.4353, 0.4826

Deuteranopia

37.1759, 0.4625, 0.4531



Tritanopia

37.2398, 0.3193, 0.3112

Trichromacy



Original Color

37.4204, 0.4106, 0.5005

Protanomaly

37.1770, 0.4259, 0.4892

Deuteranomaly

36.8060, 0.4440, 0.4702

Tritanomaly

36.5250, 0.3638, 0.3922

Monochromacy



Original Color

37.4204, 0.4106, 0.5005

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

33.4722, 0.3593, 0.4101

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4204, 0.4106, 0.5005 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(167, 171, 27)` looks like.

```
.text, #text, p{  
    color:rgb(167, 171, 27)  
}
```

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(167, 171, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 171, 27) }
```

Border

The CSS property to change the border of an element to Yxy 37.4204, 0.4106, 0.5005 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(167, 171, 27) }
```

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

```
.border{ border-color:rgb(167, 171, 27) }
```

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

Here you see how a box with a 4 pixel rgb(167, 171, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 171, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 171, 27);  
box-shadow:4px 4px 4px 4px rgb(167, 171,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 37.4204, 0.4106, 0.5005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 171, 27) }
```

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

```
.background{ background-color: rgb(167,  
171, 27) }
```

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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