

Converting Colors

$Y_{xy}(37.6775, 0.4159, 0.5034)$

Have a look what the booklet for
Yxy(37.6775, 0.4159, 0.5034)
contains.

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Color

Yxy(37.7036, 0.4164, 0.5029)

Conversions

Conversions Part 1

Format	Color
Hex	AAAB0E
RGB	170, 171, 14
RGB Percent	67%, 67%, 5%
CMY	0.3334, 0.3294, 0.9448
CMYK	0.01, 0.00, 0.92, 0.33
HSL	60°, 85%, 36%
HSV	60°, 92%, 67%
XYZ	31.2185, 37.7036, 6.0503
YIQ	152.8030, 49.8010, -49.0390

Conversions

Conversions Part 2

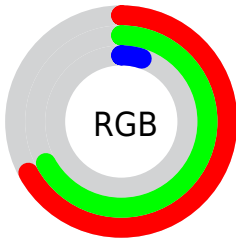
Format	Color
RYB	14, 171, 15
Decimal	11184910
CIELab	67.80, -16.23, 68.17
CIELCh	68, 70.072, 103.395
Yxy	37.7036, 0.4164, 0.5029
Android (android.graphics.Color)	4289374990 (0xFFAAAB0E)
YUV	152.8030, -68.4299, 15.0818
Hunter-Lab	61.4033, -16.7032, 37.1402

Details

The Yxy color **37.7036, 0.4164, 0.5029** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.3595, 0.1547, 0.0674**, and the grayscale version is **32.0568, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6599, 0.4034, 0.4737**, and **16.7044, 0.4109, 0.5120** is the 20% darker color. If you saturate the color by 10%, you get **37.6632, 0.4182, 0.5061**, and if you desaturate by 10%, it is **37.7857, 0.4125, 0.4962**.

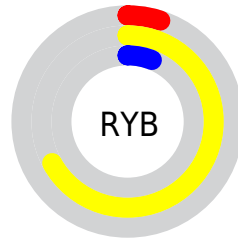
Distribution



Red (67%)

Green (67%)

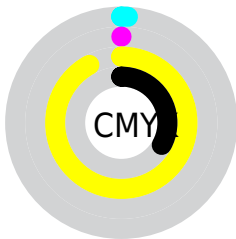
Blue (5%)



Red (5%)

Yellow (67%)

Blue (6%)

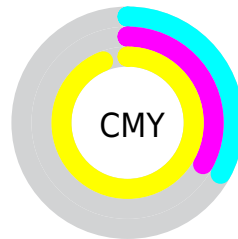


Cyan (1%)

Magenta (0%)

Yellow (92%)

Black (33%)



Cyan (33%)


Magenta (33%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7036, 0.4164, 0.5029 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 37.7036, 0.4164, 0.5029 by changing the saturation by 10% instead.


 37.7036, 0.4164,
0.5029


 37.7036, 0.4164,
0.5029


336.3468, 0.3721,
0.4181

 25.7527, 0.4228,
0.5205


 71.6536, 0.4034,
0.4741


 16.6387, 0.4276,
0.5400


 94.4215, 0.3974,
0.4626

 9.9773, 0.4333,
0.5667


 121.5639, 0.3921,
0.4526

 5.3839, 0.4206,
0.5794

 153.4652, 0.3872,
0.4438

 2.4742, 0.4001,
0.5999

 190.5097, 0.3828,
0.4362

 0.8637, 0.3296,
0.6704

 233.0819, 0.3789,

 0.0000, 0.0000,

0.4294

0.0000

281.5661, 0.3753,
0.4234

■ 37.7036, 0.4164,
0.5029

■ 37.7036, 0.4164,
0.5029

■ 37.6632, 0.4182,
0.5061

■ 37.7857, 0.4125,
0.4962

■ 37.9140, 0.4062,
0.4854

■ 38.0968, 0.3973,
0.4704

■ 38.3397, 0.3862,
0.4517

■ 38.6476, 0.3734,
0.4302

■ 39.0249, 0.3593,
0.4067

■ 39.4757, 0.3446,
0.3822

■ 40.0036, 0.3298,
0.3574

■ 40.6121, 0.3152,
0.3332

Harmonies

Analogous

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



37.7036, 0.4892, 0.4377



37.7036, 0.4164, 0.5029



37.7036, 0.3232, 0.5223

Triad

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



37.7036, 0.4164, 0.5029



37.7036, 0.1441, 0.2391



37.7036, 0.3781, 0.2385

Complementary

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



37.7036, 0.4164, 0.5029



3.3595, 0.1547, 0.0674

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.



37.7036, 0.2725, 0.1970



37.7036, 0.4164, 0.5029



37.7036, 0.1534, 0.1915

Square

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



37.7036, 0.4164, 0.5029



37.7036, 0.1688, 0.3327



37.7036, 0.1952, 0.1800



37.7036, 0.4754, 0.2978

Rectangle

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



37.7036, 0.4164, 0.5029



37.7036, 0.2607, 0.4857



37.7036, 0.1952, 0.1800



37.7036, 0.3413, 0.2223

Sweetspot

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



37.7054, 0.4164, 0.5029



70.1340, 0.3546, 0.3988



9.0072, 0.6239, 0.3299



15.5693, 0.3607, 0.4090



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.



37.7054, 0.4164, 0.5029



67.4426, 0.4182, 0.5062



31.4642, 0.3409, 0.5612



9.3275, 0.3262, 0.3514



28.3908, 0.4182, 0.5061



0.7906, 0.4186, 0.5059

Inverse Universe

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



3.3595, 0.1547, 0.0674



5.2752, 0.1502, 0.0601



5.5606, 0.2120, 0.0984



7.7596, 0.2986, 0.3056



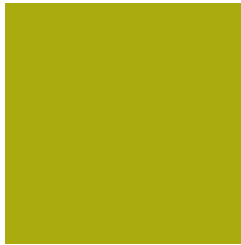
2.2228, 0.1503, 0.0601



0.0626, 0.1514, 0.0608

Previews

White Background



This preview shows how the Yxy color 37.7036, 0.4164, 0.5029 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 37.7036, 0.4164, 0.5029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

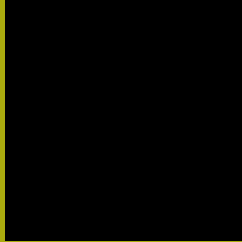
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.7036, 0.4164, 0.5029

Background



This preview shows how black text looks on a background with the Yxy color 37.7036, 0.4164, 0.5029.



This preview shows how white text looks on a background with the Yxy color 37.7036, 0.4164, 0.5029.

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

37.7036, 0.4164, 0.5029

Protanopia

37.7357, 0.4381, 0.4870

Deuteranopia

37.6125, 0.4652, 0.4570



Tritanopia

37.5603, 0.3231, 0.3127

Trichromacy



Original Color

37.7036, 0.4164, 0.5029

Protanomaly

37.7351, 0.4298, 0.4931

Deuteranomaly

37.3759, 0.4477, 0.4736

Tritanomaly

36.7564, 0.3715, 0.3985

Monochromacy



Original Color

37.7036, 0.4164, 0.5029

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

33.4718, 0.3648, 0.4172

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7036, 0.4164, 0.5029 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(170, 171, 14)` looks like.

```
.text, #text, p{  
    color:rgb(170, 171, 14)  
}
```

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(170, 171, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 171, 14) }
```

Border

The CSS property to change the border of an element to Yxy 37.7036, 0.4164, 0.5029 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(170, 171, 14) }
```

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

```
.border{ border-color:rgb(170, 171, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 171, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 171, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 171, 14);  
box-shadow:4px 4px 4px 4px rgb(170, 171,  
14) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7036, 0.4164, 0.5029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 171, 14) }
```

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

```
.background{ background-color: rgb(170,  
171, 14) }
```

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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