

Converting Colors

$Y_{xy}(37.7473, 0.4259, 0.5000)$

Have a look what the booklet for
Yxy(37.7473, 0.4259, 0.5000)
contains.

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Color

Yxy(37.6060, 0.4264, 0.4996)

Conversions

Conversions Part 1

Format	Color
Hex	B0A900
RGB	176, 169, 0
RGB Percent	69%, 66%, 0%
CMY	0.3097, 0.3373, 0.9995
CMYK	0.00, 0.04, 1.00, 0.31
HSL	58°, 100%, 35%
HSV	58°, 100%, 69%
XYZ	32.0961, 37.6060, 5.5701
YIQ	151.8270, 58.4210, -51.0750

Conversions

Conversions Part 2

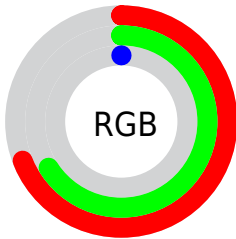
Format	Color
RYB	7, 176, 0
Decimal	11577600
CIELab	67.73, -12.72, 70.12
CIELCh	68, 71.260, 100.281
Yxy	37.6060, 0.4264, 0.4996
Android (android.graphics.Color)	4289767680 (0xFFB0A900)
YUV	151.8270, -74.8507, 21.1997
Hunter-Lab	61.3237, -13.8919, 37.5412

Details

The Yxy color **37.6060, 0.4264, 0.4996** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.2912, 0.1508, 0.0627**, and the grayscale version is **31.6391, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.5093, 0.4115, 0.4726**, and **16.6445, 0.4222, 0.5030** is the 20% darker color. If you saturate the color by 10%, you get **37.6057, 0.4264, 0.4996**, and if you desaturate by 10%, it is **37.9124, 0.4231, 0.4961**.

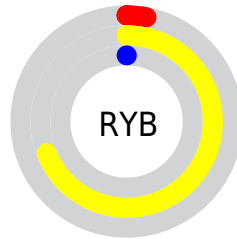
Distribution



Red (69%)

Green (66%)

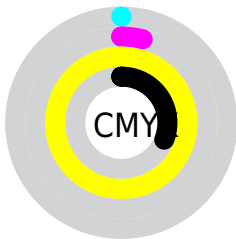
Blue (0%)



Red (3%)

Yellow (69%)

Blue (0%)

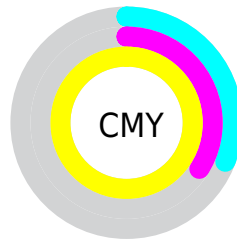


Cyan (0%)

Magenta (4%)

Yellow (100%)

Black (31%)



Cyan (31%)


Magenta (34%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6060, 0.4264, 0.4996 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 37.6060, 0.4264, 0.4996 by changing the saturation by 10% instead.


 37.6060, 0.4264,
0.4996


 37.6060, 0.4264,
0.4996


335.9268, 0.3774,
0.4180

 25.6770, 0.4336,
0.5157


 71.5038, 0.4119,
0.4725


 16.5822, 0.4395,
0.5331


 94.2415, 0.4053,
0.4615

 9.9371, 0.4452,
0.5548


 121.3509, 0.3994,
0.4518

 5.3572, 0.4353,
0.5647

 153.2163, 0.3941,
0.4433

 2.4584, 0.4194,
0.5806

 190.2222, 0.3892,
0.4358

 0.8557, 0.3701,
0.6299

 232.7530, 0.3849,

 0.0000, 0.0000,

0.4292

0.0000

281.1931, 0.3810,
0.4233

37.6060, 0.4264,
0.4996

37.6060, 0.4264,
0.4996

37.6057, 0.4264,
0.4996

37.9124, 0.4231,
0.4961

38.2564, 0.4177,
0.4892

38.6544, 0.4097,
0.4780

39.1132, 0.3993,
0.4628

39.6388, 0.3868,
0.4441

■ 40.2363, 0.3728,
0.4228

■ 40.9103, 0.3578,
0.3997

■ 41.6650, 0.3425,
0.3759

■ 42.5044, 0.3273,
0.3520

Harmonies

Analogous

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



37.6060, 0.4971, 0.4310



37.6060, 0.4264, 0.4996



37.6060, 0.3330, 0.5278

Triad

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



37.6060, 0.4264, 0.4996



37.6060, 0.1427, 0.2450



37.6060, 0.3675, 0.2318

Complementary

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



37.6060, 0.4264, 0.4996



3.2912, 0.1508, 0.0627

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.



37.6060, 0.2619, 0.1922



37.6060, 0.4264, 0.4996



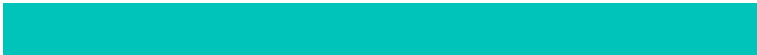
37.6060, 0.1488, 0.1925

Square

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



37.6060, 0.4264, 0.4996



37.6060, 0.1714, 0.3448



37.6060, 0.1875, 0.1778



37.6060, 0.4700, 0.2903

Rectangle

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



37.6060, 0.4264, 0.4996



37.6060, 0.2690, 0.4976



37.6060, 0.1875, 0.1778



37.6060, 0.3302, 0.2161

Sweetspot

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



37.6078, 0.4264, 0.4996



74.1040, 0.3587, 0.4011



9.2545, 0.6344, 0.3269



15.9477, 0.3650, 0.4107



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.



37.6078, 0.4264, 0.4996



68.1058, 0.4265, 0.4995



33.5921, 0.3439, 0.5651



9.8473, 0.3264, 0.3506



27.6067, 0.4263, 0.4997



0.8864, 0.4242, 0.5014

Inverse Universe

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



3.2912, 0.1508, 0.0627



5.8839, 0.1505, 0.0619



4.8122, 0.1934, 0.0839



8.2827, 0.2985, 0.3064



2.4325, 0.1509, 0.0631



0.0945, 0.1545, 0.0760

Previews

White Background



This preview shows how the Yxy color 37.6060, 0.4264, 0.4996 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 37.6060, 0.4264, 0.4996 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 37.6060, 0.4264, 0.4996

Background



This preview shows how black text looks on a background with the Yxy color 37.6060, 0.4264, 0.4996.



This preview shows how white text looks on a background with the Yxy color 37.6060, 0.4264, 0.4996.

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

37.6060, 0.4264, 0.4996

Protanopia

37.3494, 0.4407, 0.4883

Deuteranopia

37.2528, 0.4678, 0.4578



Tritanopia

37.5433, 0.3311, 0.3130

Trichromacy



Original Color

37.6060, 0.4264, 0.4996

Protanomaly

37.2175, 0.4356, 0.4923

Deuteranomaly

37.2600, 0.4527, 0.4739

Tritanomaly

36.6397, 0.3842, 0.4025

Monochromacy



Original Color

37.6060, 0.4264, 0.4996

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.8939, 0.3724, 0.4212

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6060, 0.4264, 0.4996 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(176, 169, 0)` looks like.

```
.text, #text, p{  
    color:rgb(176, 169, 0)  
}
```

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(176, 169, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 169, 0) }
```

Border

The CSS property to change the border of an element to Yxy 37.6060, 0.4264, 0.4996 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(176, 169, 0) }
```

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

```
.border{ border-color:rgb(176, 169, 0) }
```

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

Here you see how a box with a 4 pixel rgb(176, 169, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 169, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 169, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 169,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6060, 0.4264, 0.4996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 169, 0) }
```

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

```
.background{ background-color: rgb(176,  
169, 0) }
```

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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