

Converting Colors

$Y_{xy}(37.7668, 0.4722, 0.4633)$

Have a look what the booklet for
Yxy(37.7668, 0.4722, 0.4633)
contains.

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Color

Yxy(37.6693, 0.4719, 0.4635)

Conversions

Conversions Part 1

Format	Color
Hex	D19D00
RGB	209, 157, 0
RGB Percent	82%, 62%, 0%
CMY	0.1804, 0.3843, 0.9999
CMYK	0.00, 0.25, 1.00, 0.18
HSL	45°, 100%, 41%
HSV	45°, 100%, 82%
XYZ	38.3520, 37.6693, 5.2501
YIQ	154.6500, 81.3890, -37.8030

Conversions

Conversions Part 2

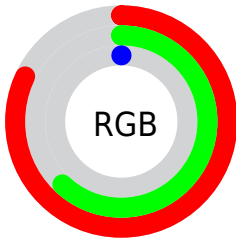
Format	Color
R _Y B	69, 209, 0
Decimal	13737216
CIE Lab	67.78, 8.37, 71.65
CIE LCh	68, 72.134, 83.335
Yxy	37.6693, 0.4719, 0.4635
Android (android.graphics.Color)	4291927296 (0xFFD19D00)
YUV	154.6500, -76.2424, 47.6650
Hunter-Lab	61.3753, 4.1336, 37.8910

Details

The Yxy color **37.6693, 0.4719, 0.4635** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **7.0625, 0.1576, 0.0874**, and the grayscale version is **32.9349, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.3703, 0.4367, 0.4535**, and **16.6976, 0.4802, 0.4569** is the 20% darker color. If you saturate the color by 10%, you get **37.6682, 0.4719, 0.4635**, and if you desaturate by 10%, it is **39.5225, 0.4625, 0.4641**.

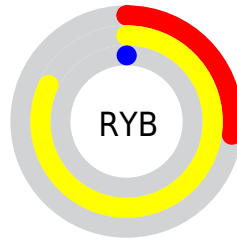
Distribution



Red (82%)

Green (62%)

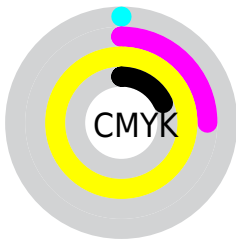
Blue (0%)



Red (27%)

Yellow (82%)

Blue (0%)

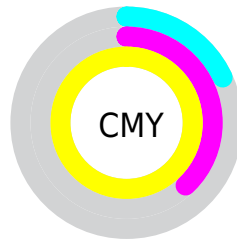


Cyan (0%)

Magenta (25%)

Yellow (100%)

Black (18%)



Cyan (18%)


Magenta (38%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6693, 0.4719, 0.4635 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 37.6693, 0.4719, 0.4635 by changing the saturation by 10% instead.


 37.6693, 0.4719,
0.4635


 37.6693, 0.4719,
0.4635


336.1992, 0.3991,
0.4061

 25.7261, 0.4851,
0.4721


 71.6010, 0.4487,
0.4465

 16.6189, 0.4988,
0.4796


 94.3583, 0.4389,
0.4389


 9.9631, 0.5139,
0.4861


 121.4891, 0.4302,
0.4320

 5.3745, 0.5198,
0.4802

 153.3777, 0.4225,
0.4257

 2.4686, 0.5292,
0.4708

 190.4087, 0.4156,
0.4200

 0.8609, 0.5461,
0.4539

 232.9663, 0.4095,

 0.0000, 0.0000,

0.4149

0.0000

281.4350, 0.4040,
0.4103

37.6693, 0.4719,
0.4635

37.6693, 0.4719,
0.4635

37.6682, 0.4719,
0.4635

39.5225, 0.4625,
0.4641

41.5079, 0.4504,
0.4604

43.6478, 0.4355,
0.4520

45.9539, 0.4184,
0.4394

48.4359, 0.4001,
0.4235

■ 51.1026, 0.3813,
0.4055

■ 53.9620, 0.3627,
0.3862

■ 57.0213, 0.3449,
0.3667

■ 60.2873, 0.3281,
0.3475

Harmonies

Analogous

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



37.6693, 0.5191, 0.3895



37.6693, 0.4719, 0.4635



37.6693, 0.3876, 0.5222

Triad

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



37.6693, 0.4719, 0.4635



37.6693, 0.1527, 0.2951



37.6693, 0.3050, 0.2055

Complementary

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



37.6693, 0.4719, 0.4635



7.0625, 0.1576, 0.0874

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.



37.6693, 0.2143, 0.1794



37.6693, 0.4719, 0.4635



37.6693, 0.1399, 0.2155

Square

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



37.6693, 0.4719, 0.4635



37.6693, 0.2040, 0.4167



37.6693, 0.1602, 0.1808



37.6693, 0.4168, 0.2548

Rectangle

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



37.6693, 0.4719, 0.4635



37.6693, 0.3228, 0.5286



37.6693, 0.1602, 0.1808



37.6693, 0.2710, 0.1940

Sweetspot

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



37.6712, 0.4719, 0.4635



84.4651, 0.3633, 0.3870



13.8067, 0.5949, 0.3051



17.6626, 0.3712, 0.3952



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



37.6712, 0.4719, 0.4635



58.7617, 0.4726, 0.4629



52.7455, 0.3754, 0.5401



13.2786, 0.3272, 0.3464



23.3878, 0.4710, 0.4642



1.4290, 0.4595, 0.4733

Inverse Universe

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



7.0625, 0.1576, 0.0874



10.8251, 0.1572, 0.0857



5.3417, 0.1639, 0.0677



11.8888, 0.2982, 0.3110



4.4856, 0.1582, 0.0896



0.3791, 0.1683, 0.1259

Previews

White Background



This preview shows how the Yxy color 37.6693, 0.4719, 0.4635 looks on a white background.

Color Contrast Check

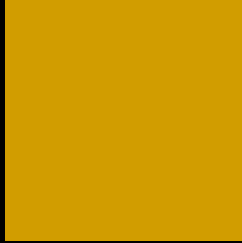
Large Text (above 18pt) WCAG AA × Fail

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 37.6693, 0.4719, 0.4635 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 37.6693, 0.4719, 0.4635

Background



This preview shows how black text looks on a background with the Yxy color 37.6693, 0.4719, 0.4635.

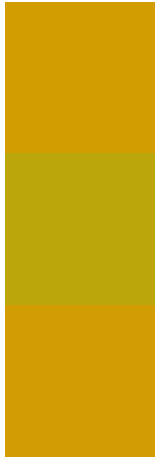


This preview shows how white text looks on a background with the Yxy color 37.6693, 0.4719, 0.4635.

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

37.6693, 0.4719, 0.4635

Protanopia

37.8614, 0.4390, 0.4862

Deuteranopia

37.6758, 0.4715, 0.4630



Tritanopia

37.7438, 0.3763, 0.3158

Trichromacy



Original Color

37.6693, 0.4719, 0.4635

Protanomaly

37.8118, 0.4507, 0.4782

Deuteranomaly

37.6736, 0.4716, 0.4631

Tritanomaly

37.0289, 0.4309, 0.3897

Monochromacy



Original Color

37.6693, 0.4719, 0.4635

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.7917, 0.3868, 0.4108

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6693, 0.4719, 0.4635 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(209, 157, 0)` looks like.

```
.text, #text, p{  
    color:rgb(209, 157, 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(209, 157, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 157, 0) }
```

Border

The CSS property to change the border of an element to Yxy 37.6693, 0.4719, 0.4635 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(209, 157, 0) }
```

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

```
.border{ border-color:rgb(209, 157, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 157, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 157, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 157, 0);  
box-shadow:4px 4px 4px 4px rgb(209, 157,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6693, 0.4719, 0.4635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 157, 0) }
```

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

```
.background{ background-color: rgb(209,  
157, 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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