

Converting Colors

Yxy(49.5543, 0.4352, 0.5014)

Have a look what the booklet for
Yxy(49.5543, 0.4352, 0.5014)
contains.

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Color

Yxy(49.6643, 0.4319, 0.4952)

Conversions

Conversions Part 1

Format	Color
Hex	CCBE00
RGB	204, 190, 0
RGB Percent	80%, 75%, 0%
CMY	0.2000, 0.2549, 0.9988
CMYK	0.00, 0.07, 1.00, 0.20
HSL	56°, 100%, 40%
HSV	56°, 100%, 80%
XYZ	43.3159, 49.6643, 7.3112
YIQ	172.5260, 69.3340, -56.1220

Conversions

Conversions Part 2

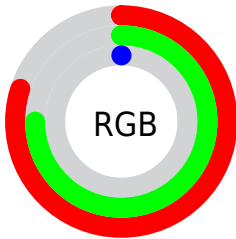
Format	Color
R _Y B	15, 204, 0
Decimal	13417984
CIE Lab	75.86, -11.19, 77.09
CIE LCh	76, 77.901, 98.256
Yxy	49.6643, 0.4319, 0.4952
Android (android.graphics.Color)	4291608064 (0xFFCCBE00)
YUV	172.5260, -85.0553, 27.6027
Hunter-Lab	70.4729, -13.6134, 43.1800

Details

The Yxy color **49.6643, 0.4319, 0.4952** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as dark washed orange. A complement of this color would be **4.6834, 0.1512, 0.0640**, and the grayscale version is **41.9684, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.7807, 0.4105, 0.4759**, and **23.9111, 0.4291, 0.4975** is the 20% darker color. If you saturate the color by 10%, you get **49.6570, 0.4319, 0.4952**, and if you desaturate by 10%, it is **50.3290, 0.4282, 0.4925**.

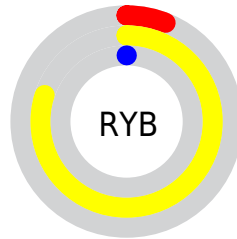
Distribution



Red (80%)

Green (75%)

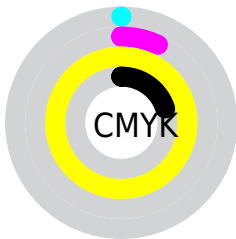
Blue (0%)



Red (6%)

Yellow (80%)

Blue (0%)

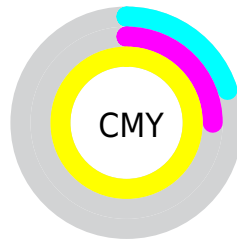


Cyan (0%)

Magenta (7%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (25%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.6643, 0.4319, 0.4952 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 49.6643, 0.4319, 0.4952 by changing the saturation by 10% instead.


 49.6643, 0.4319,
0.4952


 49.6643, 0.4319,
0.4952


385.3517, 0.3829,
0.4206

 35.1467, 0.4392,
0.5090


 89.6773, 0.4176,
0.4714

 23.7759, 0.4457,
0.5236


 115.9415, 0.4111,
0.4614

 15.1675, 0.4530,
0.5420


 146.8901, 0.4052,
0.4525

 8.9370, 0.4490,
0.5510

 182.9073, 0.3999,
0.4447

 4.7001, 0.4396,
0.5604

 224.3777, 0.3950,
0.4376

 2.0724, 0.4242,
0.5758

 271.6857, 0.3906,

 0.6490, 0.3463,

0.4314

0.6537

325.2155, 0.3866,
0.4257

■ 0.0000, 0.0000,
0.0000

■ 49.6643, 0.4319,
0.4952

■ 49.6643, 0.4319,
0.4952

■ 49.6570, 0.4319,
0.4952

■ 50.3290, 0.4282,
0.4925

■ 51.0525, 0.4222,
0.4862

■ 51.8557, 0.4135,
0.4754

■ 52.7485, 0.4022,
0.4605

■ 53.7395, 0.3890,
0.4421

■ 54.8362, 0.3743,
0.4210

■ 56.0451, 0.3587,
0.3983

■ 57.3723, 0.3430,
0.3748

■ 58.8237, 0.3274,
0.3514

Harmonies

Analogous

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



49.6643, 0.4999, 0.4258



49.6643, 0.4319, 0.4952



49.6643, 0.3396, 0.5276

Triad

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



49.6643, 0.4319, 0.4952



49.6643, 0.1439, 0.2505



49.6643, 0.3597, 0.2287

Complementary

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



49.6643, 0.4319, 0.4952



4.6834, 0.1512, 0.0640

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.



49.6643, 0.2560, 0.1908



49.6643, 0.4319, 0.4952



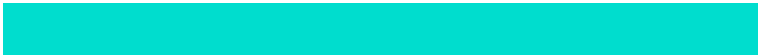
49.6643, 0.1478, 0.1952

Square

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



49.6643, 0.4319, 0.4952



49.6643, 0.1752, 0.3530



49.6643, 0.1841, 0.1782



49.6643, 0.4638, 0.2861

Rectangle

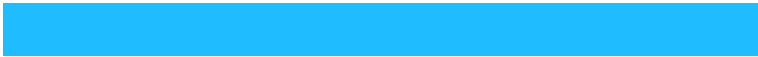
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.6643, 0.4319, 0.4952



49.6643, 0.2755, 0.5020



49.6643, 0.1841, 0.1782



49.6643, 0.3228, 0.2135

Sweetspot

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



49.6667, 0.4319, 0.4952



92.7077, 0.3596, 0.3996



12.8847, 0.6315, 0.3253



19.6562, 0.3663, 0.4094



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.



49.6667, 0.4319, 0.4952



82.1099, 0.4321, 0.4951



47.1151, 0.3483, 0.5616



12.9596, 0.3267, 0.3504



31.3121, 0.4317, 0.4954



1.6559, 0.4291, 0.4975

Inverse Universe

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



4.6834, 0.1512, 0.0640



7.6370, 0.1509, 0.0631



6.3055, 0.1867, 0.0803



10.9656, 0.2982, 0.3067



2.9923, 0.1514, 0.0648



0.1986, 0.1558, 0.0809

Previews

White Background



This preview shows how the Yxy color 49.6643, 0.4319, 0.4952 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 49.6643, 0.4319, 0.4952 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 49.6643, 0.4319, 0.4952

Background



This preview shows how black text looks on a background with the Yxy color 49.6643, 0.4319, 0.4952.

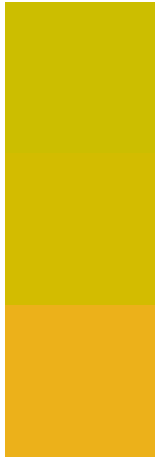


This preview shows how white text looks on a background with the Yxy color 49.6643, 0.4319, 0.4952.

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

49.6643, 0.4319, 0.4952

Protanopia

49.8153, 0.4400, 0.4888

Deuteranopia

49.3517, 0.4689, 0.4583



Tritanopia

49.7609, 0.3363, 0.3137

Trichromacy



Original Color

49.6643, 0.4319, 0.4952

Protanomaly

49.8051, 0.4364, 0.4917

Deuteranomaly

49.3437, 0.4554, 0.4724

Tritanomaly

48.8334, 0.3906, 0.4030

Monochromacy



Original Color

49.6643, 0.4319, 0.4952

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

43.5563, 0.3744, 0.4213

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6643, 0.4319, 0.4952 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(204, 190, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 190, 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(204, 190, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 190, 0) }
```

Border

The CSS property to change the border of an element to Yxy 49.6643, 0.4319, 0.4952 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(204, 190, 0) }
```

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

```
.border{ border-color:rgb(204, 190, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 190, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 190, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 190, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 190,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6643, 0.4319, 0.4952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 190, 0) }
```

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

```
.background{ background-color: rgb(204,  
190, 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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