

Converting Colors

Yxy(66.7985, 0.4124, 0.4898)

Have a look what the booklet for
Yxy(66.7985, 0.4124, 0.4898)
contains.

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Color

Yxy(66.9730, 0.4124, 0.4901)

Conversions

Conversions Part 1

Format	Color
Hex	DEDC35
RGB	222, 220, 53
RGB Percent	87%, 86%, 21%
CMY	0.1295, 0.1372, 0.7922
CMYK	0.00, 0.01, 0.76, 0.13
HSL	59°, 72%, 54%
HSV	59°, 76%, 87%
XYZ	56.3552, 66.9730, 13.3235
YIQ	201.5600, 54.7990, -51.5130

Conversions

Conversions Part 2

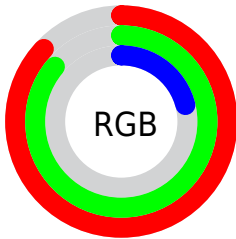
Format	Color
RYB	55, 222, 53
Decimal	14605365
CIELab	85.49, -17.41, 75.69
CIELCh	85, 77.667, 102.952
Yxy	66.9730, 0.4124, 0.4901
Android (android.graphics.Color)	4292795445 (0xFFDEDC35)
YUV	201.5600, -73.2401, 17.9259
Hunter-Lab	81.8370, -20.2949, 47.6332

Details

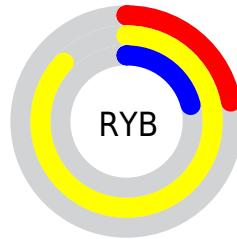
The Yxy color **66.9730, 0.4124, 0.4901** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light muted yellow. A complement of this color would be **8.7583, 0.1691, 0.0925**, and the grayscale version is **59.2132, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9723, 0.3930, 0.4618**, and **34.6968, 0.4172, 0.5069** is the 20% darker color. If you saturate the color by 10%, you get **66.6815, 0.4178, 0.4984**, and if you desaturate by 10%, it is **67.3655, 0.4044, 0.4774**.

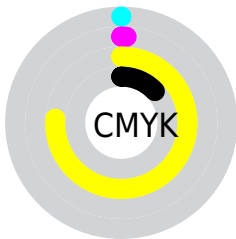
Distribution



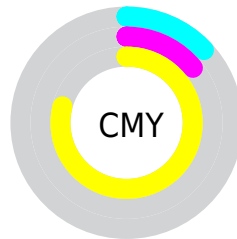
- Red (87%)
- Green (86%)
- Blue (21%)



- Red (22%)
- Yellow (87%)
- Blue (21%)



- Cyan (0%)
- Magenta (1%)
- Yellow (76%)
- Black (13%)




- Cyan (13%)
- Magenta (14%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.9730, 0.4124, 0.4901 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 66.9730, 0.4124, 0.4901 by changing the saturation by 10% instead.


 66.9730, 0.4124,
0.4901


 66.9730, 0.4124,
0.4901


449.8487, 0.3730,
0.4184

 49.0627, 0.4185,
0.5042

 114.8817, 0.4009,
0.4668


 34.6692, 0.4244,
0.5200


 145.6489, 0.3957,
0.4572


 23.4082, 0.4290,
0.5374


 181.4705, 0.3910,
0.4487

 14.8952, 0.4335,
0.5593

 222.7310, 0.3867,
0.4412

 8.7459, 0.4266,
0.5734

 269.8146, 0.3828,
0.4345

 4.5758, 0.4114,
0.5886

323.1058, 0.3792,

 2.0006, 0.3864,

0.4286

0.6136

382.9890, 0.3760,
0.4232

0.6078, 0.2008,
0.7992

0.0000, 0.0000,
0.0000

66.9730, 0.4124,
0.4901

66.9730, 0.4124,
0.4901

66.6815, 0.4178,
0.4984

67.3655, 0.4044,
0.4774


66.4671, 0.4207,
0.5026

67.8612, 0.3938,
0.4606


66.3959, 0.4214,
0.5036

68.4731, 0.3813,
0.4404


69.2099, 0.3672,
0.4176

 70.0797, 0.3522,
0.3933

 71.0896, 0.3369,
0.3684

 72.2465, 0.3218,
0.3438

 73.5566, 0.3071,
0.3199

 75.0259, 0.2933,
0.2973

Harmonies

Analogous

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



66.9730, 0.4782, 0.4321



66.9730, 0.4124, 0.4901



66.9730, 0.3259, 0.5049

Triad

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



66.9730, 0.4124, 0.4901



66.9730, 0.1553, 0.2480



66.9730, 0.3717, 0.2443

Complementary

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



66.9730, 0.4124, 0.4901



8.7583, 0.1691, 0.0925

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.



66.9730, 0.2749, 0.2053



66.9730, 0.4124, 0.4901



66.9730, 0.1634, 0.2018

Square

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



66.9730, 0.4124, 0.4901



66.9730, 0.1801, 0.3350



66.9730, 0.2028, 0.1898



66.9730, 0.4608, 0.3004

Rectangle

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



66.9730, 0.4124, 0.4901



66.9730, 0.2674, 0.4715



66.9730, 0.2028, 0.1898



66.9730, 0.3381, 0.2290

Sweetspot

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



66.9761, 0.4124, 0.4901



96.3467, 0.3477, 0.3860



18.3557, 0.5730, 0.3276



20.5203, 0.3533, 0.3950



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.



66.9761, 0.4124, 0.4901



91.1305, 0.4197, 0.5013



58.0903, 0.3474, 0.5363



16.0007, 0.3267, 0.3519



39.4586, 0.4213, 0.5036



2.7440, 0.4210, 0.5039

Inverse Universe

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



8.7583, 0.1691, 0.0925



8.1250, 0.1537, 0.0666



12.9421, 0.2266, 0.1202



13.2687, 0.2980, 0.3050



3.1771, 0.1502, 0.0608



0.2294, 0.1509, 0.0630

Previews

White Background



This preview shows how the Yxy color 66.9730, 0.4124, 0.4901 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 66.9730, 0.4124, 0.4901 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 66.9730, 0.4124, 0.4901

Background



This preview shows how black text looks on a background with the Yxy color 66.9730, 0.4124, 0.4901.



This preview shows how white text looks on a background with the Yxy color 66.9730, 0.4124, 0.4901.

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

66.9730, 0.4124, 0.4901

Protanopia

66.8574, 0.4318, 0.4766

Deuteranopia

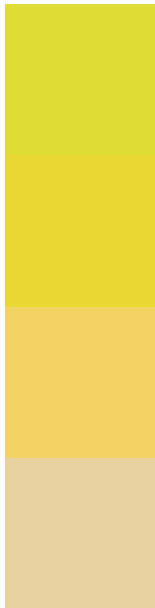
66.8833, 0.4119, 0.4111



Tritanopia

66.7160, 0.3249, 0.3120

Trichromacy



Original Color

66.9730, 0.4124, 0.4901

Protanomaly

66.6833, 0.4244, 0.4815

Deuteranomaly

66.5441, 0.4156, 0.4424

Tritanomaly

65.6202, 0.3654, 0.3846

Monochromacy



Original Color

66.9730, 0.4124, 0.4901

Achromatopsia

59.0619, 0.3127, 0.3290

Achromatomaly

61.2944, 0.3565, 0.4014

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.9730, 0.4124, 0.4901 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(222, 220, 53)` looks like.

```
.text, #text, p{  
    color:rgb(222, 220, 53)  
}
```

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(222, 220, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 220, 53) }
```

Border

The CSS property to change the border of an element to Yxy 66.9730, 0.4124, 0.4901 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(222, 220, 53) }
```

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

```
.border{ border-color:rgb(222, 220, 53) }
```

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

Here you see how a box with a 4 pixel rgb(222, 220, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 220, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 220, 53);  
box-shadow:4px 4px 4px 4px rgb(222, 220,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 66.9730, 0.4124, 0.4901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 220, 53) }
```

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

```
.background{ background-color: rgb(222,  
220, 53) }
```

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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