

Converting Colors

$Yxy(69.7045, 0.4203, 0.5028)$

Have a look what the booklet for
Yxy(69.7045, 0.4203, 0.5028)
contains.

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Color

Yxy(69.5020, 0.4202, 0.5028)

Conversions

Conversions Part 1

Format	Color
Hex	E2E00A
RGB	226, 224, 10
RGB Percent	89%, 88%, 4%
CMY	0.1136, 0.1216, 0.9603
CMYK	0.00, 0.01, 0.96, 0.11
HSL	59°, 91%, 46%
HSV	59°, 96%, 89%
XYZ	58.0842, 69.5020, 10.6437
YIQ	200.2020, 69.8860, -66.1300

Conversions

Conversions Part 2

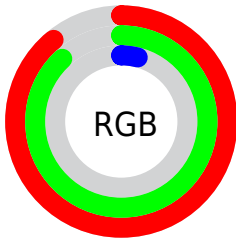
Format	Color
R _Y B	12, 226, 10
Decimal	14868490
CIE Lab	86.75, -18.59, 85.03
CIE LCh	87, 87.036, 102.335
Yxy	69.5020, 0.4202, 0.5028
Android (android.graphics.Color)	4293058570 (0xFFE2E00A)
YUV	200.2020, -93.7696, 22.6248
Hunter-Lab	83.3679, -21.5289, 50.7879

Details

The Yxy color **69.5020, 0.4202, 0.5028** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **5.8255, 0.1518, 0.0632**, and the grayscale version is **58.4611, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5527, 0.4017, 0.4761**, and **36.4829, 0.4163, 0.5077** is the 20% darker color. If you saturate the color by 10%, you get **69.4315, 0.4210, 0.5039**, and if you desaturate by 10%, it is **69.7065, 0.4173, 0.4984**.

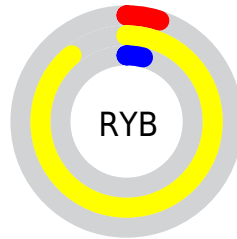
Distribution



Red (89%)

Green (88%)

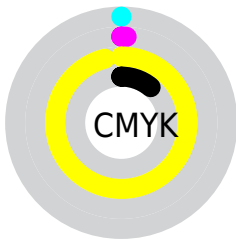
Blue (4%)



Red (5%)

Yellow (89%)

Blue (4%)

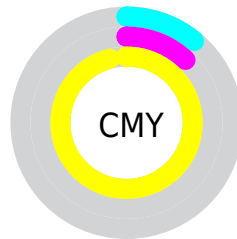


Cyan (0%)

Magenta (1%)

Yellow (96%)

Black (11%)



Cyan (11%)


Magenta (12%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.5020, 0.4202, 0.5028 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 69.5020, 0.4202, 0.5028 by changing the saturation by 10% instead.

 69.5020, 0.4202,
0.5028


 69.5020, 0.4202,
0.5028

458.7995, 0.3800,
0.4279


 51.1206, 0.4256,
0.5166


 118.4983, 0.4091,
0.4792


 36.3046, 0.4303,
0.5316


 149.8820, 0.4039,
0.4692


 24.6696, 0.4329,
0.5472


 186.3687, 0.3991,
0.4604

 15.8310, 0.4343,
0.5657

 228.3426, 0.3946,
0.4524

 9.4047, 0.4239,
0.5761

 276.1883, 0.3905,
0.4453

 5.0061, 0.4086,
0.5914


 330.2901, 0.3867,

 2.2508, 0.3836,


0.4389


0.6164


391.0323, 0.3832,
0.4332


 0.7475, 0.2555,
0.7445


 0.0000, 0.0000,
0.0000


 69.5020, 0.4202,
0.5028


 69.5020, 0.4202,
0.5028

 69.4315, 0.4210,
0.5039

 69.7065, 0.4173,
0.4984

 69.9926, 0.4118,
0.4898

 70.3782, 0.4036,
0.4768

 70.8752, 0.3931,
0.4598

■ 71.4940, 0.3804,
0.4394

■ 72.2437, 0.3663,
0.4164

■ 73.1326, 0.3513,
0.3920

■ 74.1681, 0.3360,
0.3671

■ 75.3574, 0.3209,
0.3423

Harmonies

Analogous

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



69.5020, 0.4928, 0.4358



69.5020, 0.4202, 0.5028



69.5020, 0.3264, 0.5258

Triad

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



69.5020, 0.4202, 0.5028



69.5020, 0.1427, 0.2404



69.5020, 0.3749, 0.2357

Complementary

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



69.5020, 0.4202, 0.5028



5.8255, 0.1518, 0.0632

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.



69.5020, 0.2686, 0.1946



69.5020, 0.4202, 0.5028



69.5020, 0.1510, 0.1910

Square

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



69.5020, 0.4202, 0.5028



69.5020, 0.1688, 0.3367



69.5020, 0.1919, 0.1784



69.5020, 0.4748, 0.2949

Rectangle

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



69.5020, 0.4202, 0.5028



69.5020, 0.2630, 0.4911



69.5020, 0.1919, 0.1784



69.5020, 0.3377, 0.2195

Sweetspot

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



69.5053, 0.4202, 0.5028



95.6721, 0.3569, 0.4011



16.4258, 0.6325, 0.3292



20.3718, 0.3633, 0.4116



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.



69.5053, 0.4202, 0.5028



91.2484, 0.4210, 0.5039



58.5505, 0.3404, 0.5656



16.0061, 0.3267, 0.3519



39.6059, 0.4210, 0.5040



2.7525, 0.4207, 0.5042

Inverse Universe

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



5.8255, 0.1518, 0.0632



7.2724, 0.1501, 0.0604



9.3228, 0.2027, 0.0906



13.2640, 0.2980, 0.3050



3.1688, 0.1502, 0.0606



0.2271, 0.1507, 0.0625

Previews

White Background



This preview shows how the Yxy color 69.5020, 0.4202, 0.5028 looks on a white background.

Color Contrast Check

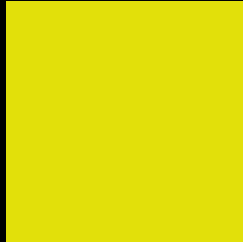
Large Text (above 18pt) WCAG AA × Fail

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 69.5020, 0.4202, 0.5028 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 69.5020, 0.4202, 0.5028

Background



This preview shows how black text looks on a background with the Yxy color 69.5020, 0.4202, 0.5028.

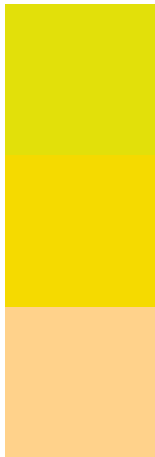


This preview shows how white text looks on a background with the Yxy color 69.5020, 0.4202, 0.5028.

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

69.5020, 0.4202, 0.5028

Protanopia

69.5553, 0.4405, 0.4884

Deuteranopia

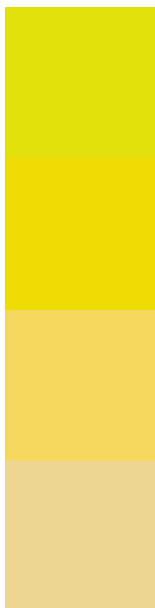
69.2173, 0.4001, 0.4017



Tritanopia

69.1943, 0.3263, 0.3123

Trichromacy



Original Color

69.5020, 0.4202, 0.5028

Protanomaly

69.3723, 0.4331, 0.4936

Deuteranomaly

68.6067, 0.4176, 0.4509

Tritanomaly

68.0013, 0.3782, 0.4029

Monochromacy



Original Color

69.5020, 0.4202, 0.5028

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

60.7949, 0.3684, 0.4210

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.5020, 0.4202, 0.5028 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(226, 224, 10)` looks like.

```
.text, #text, p{  
    color:rgb(226, 224, 10)  
}
```

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(226, 224, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 224, 10) }
```

Border

The CSS property to change the border of an element to Yxy 69.5020, 0.4202, 0.5028 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(226, 224, 10) }
```

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

```
.border{ border-color:rgb(226, 224, 10) }
```

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

Here you see how a box with a 4 pixel rgb(226, 224, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 224, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 224, 10);  
box-shadow:4px 4px 4px 4px rgb(226, 224,  
10) }
```


Background

The CSS property to change the background color of an element to Yxy 69.5020, 0.4202, 0.5028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 224, 10) }
```

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

```
.background{ background-color: rgb(226,  
224, 10) }
```

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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