

Converting Colors

Yxy(68.8238, 0.4214, 0.4722)

Have a look what the booklet for
Yxy(68.8238, 0.4214, 0.4722)
contains.

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Color

Yxy(68.7373, 0.4215, 0.4721)

Conversions

Conversions Part 1

Format	Color
Hex	EEDA44
RGB	238, 218, 68
RGB Percent	93%, 85%, 27%
CMY	0.0667, 0.1451, 0.7336
CMYK	0.00, 0.08, 0.71, 0.07
HSL	53°, 83%, 60%
HSV	53°, 71%, 93%
XYZ	61.3700, 68.7373, 15.4917
YIQ	206.8800, 60.0700, -42.4100

Conversions

Conversions Part 2

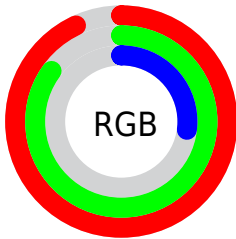
Format	Color
R _Y B	91, 238, 68
Decimal	15653444
CIE Lab	86.37, -9.11, 72.10
CIE LCh	86, 72.669, 97.200
Yxy	68.7373, 0.4215, 0.4721
Android (android.graphics.Color)	4293843524 (0xFFEEDA44)
YUV	206.8800, -68.4678, 27.2922
Hunter-Lab	82.9080, -12.9600, 46.9570

Details

The Yxy color **68.7373, 0.4215, 0.4721** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **14.3648, 0.1802, 0.1215**, and the grayscale version is **62.7331, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2607, 0.3874, 0.4525**, and **35.6594, 0.4348, 0.4929** is the 20% darker color. If you saturate the color by 10%, you get **67.0690, 0.4312, 0.4814**, and if you desaturate by 10%, it is **70.5544, 0.4092, 0.4584**.

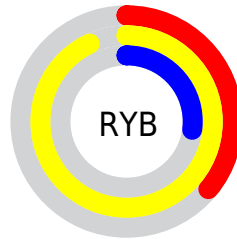
Distribution



Red (93%)

Green (85%)

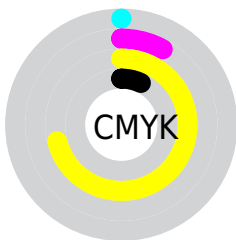
Blue (27%)



Red (36%)

Yellow (93%)

Blue (27%)

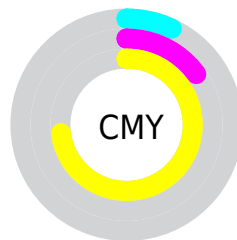


Cyan (0%)

Magenta (8%)

Yellow (71%)

Black (7%)



Cyan (7%)


Magenta (15%)

Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.7373, 0.4215, 0.4721 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 68.7373, 0.4215, 0.4721 by changing the saturation by 10% instead.


 68.7373, 0.4215,
0.4721

 68.7373, 0.4215,
0.4721


456.1039, 0.3766,
0.4096


 50.4978, 0.4294,
0.4842


 117.4063, 0.4077,
0.4519


 35.8091, 0.4376,
0.4977


 148.6046, 0.4018,
0.4436


 24.2868, 0.4456,
0.5124


 184.8912, 0.3964,
0.4362

 15.5465, 0.4529,
0.5284

 226.6506, 0.3916,
0.4297

 9.2038, 0.4565,
0.5435

 274.2672, 0.3873,
0.4238

 4.8744, 0.4491,
0.5509

328.1253, 0.3834,

 2.1737, 0.4370,

0.4186

0.5630

388.6094, 0.3798,
0.4139

0.7056, 0.3885,
0.6115

0.0000, 0.0000,
0.0000

68.7373, 0.4215,
0.4721

68.7373, 0.4215,
0.4721

67.0690, 0.4312,
0.4814

70.5544, 0.4092,
0.4584

65.5243, 0.4380,
0.4862


72.5233, 0.3949,
0.4411


64.2834, 0.4420,
0.4873


74.6586, 0.3792,
0.4210


76.9703, 0.3628,
0.3992

 79.4674, 0.3463,
0.3766

 82.1585, 0.3302,
0.3540

 85.0513, 0.3149,
0.3321

 87.9369, 0.3025,
0.3145

 89.5990, 0.3024,
0.3173

Harmonies

Analogous

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



68.7373, 0.4759, 0.4159



68.7373, 0.4215, 0.4721



68.7373, 0.3428, 0.4940

Triad

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



68.7373, 0.4215, 0.4721



68.7373, 0.1665, 0.2671



68.7373, 0.3500, 0.2410

Complementary

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



68.7373, 0.4215, 0.4721



14.3648, 0.1802, 0.1215

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.



68.7373, 0.2625, 0.2078



68.7373, 0.4215, 0.4721



68.7373, 0.1681, 0.2156

Square

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



68.7373, 0.4215, 0.4721



68.7373, 0.1972, 0.3543



68.7373, 0.2000, 0.1979



68.7373, 0.4369, 0.2919

Rectangle

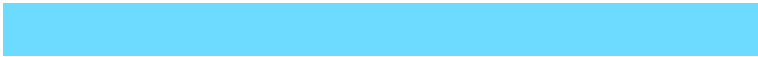
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.7373, 0.4215, 0.4721



68.7373, 0.2869, 0.4720



68.7373, 0.2000, 0.1979



68.7373, 0.3191, 0.2276

Sweetspot

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



68.7406, 0.4215, 0.4721



93.0703, 0.3457, 0.3758



23.0507, 0.5265, 0.3097



19.7423, 0.3502, 0.3821



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.



68.7406, 0.4215, 0.4721



77.5569, 0.4349, 0.4843



70.7458, 0.3617, 0.5176



18.1234, 0.3271, 0.3497



35.9934, 0.4416, 0.4876



3.0832, 0.4382, 0.4902

Inverse Universe

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



14.3648, 0.1802, 0.1215



10.9765, 0.1610, 0.0864



15.0684, 0.2154, 0.1213



15.5277, 0.2980, 0.3075



4.0013, 0.1524, 0.0686



0.4296, 0.1572, 0.0857

Previews

White Background



This preview shows how the Yxy color 68.7373, 0.4215, 0.4721 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 68.7373, 0.4215, 0.4721 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 68.7373, 0.4215, 0.4721

Background



This preview shows how black text looks on a background with the Yxy color 68.7373, 0.4215, 0.4721.

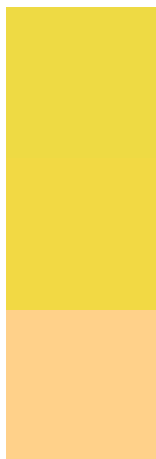


This preview shows how white text looks on a background with the Yxy color 68.7373, 0.4215, 0.4721.

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

68.7373, 0.4215, 0.4721

Protanopia

68.9203, 0.4254, 0.4692

Deuteranopia

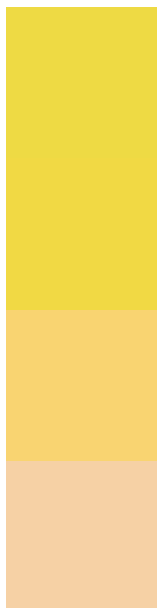
68.6959, 0.4013, 0.4017



Tritanopia

68.6770, 0.3366, 0.3126

Trichromacy



Original Color

68.7373, 0.4215, 0.4721

Protanomaly

68.7438, 0.4246, 0.4698

Deuteranomaly

68.4190, 0.4115, 0.4293

Tritanomaly

67.9104, 0.3742, 0.3759

Monochromacy



Original Color

68.7373, 0.4215, 0.4721

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

63.8943, 0.3575, 0.3924

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.7373, 0.4215, 0.4721 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(238, 218, 68)` looks like.

```
.text, #text, p{  
    color:rgb(238, 218, 68)  
}
```

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(238, 218, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 218, 68) }
```

Border

The CSS property to change the border of an element to Yxy 68.7373, 0.4215, 0.4721 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(238, 218, 68) }
```

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

```
.border{ border-color:rgb(238, 218, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 218, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 218, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 218, 68);  
box-shadow:4px 4px 4px 4px rgb(238, 218,  
68) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 68.7373, 0.4215, 0.4721$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 218, 68) }
```

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

```
.background{ background-color: rgb(238,  
218, 68) }
```

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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