

Converting Colors

$Yxy(69.6315, 0.4006, 0.4743)$

Have a look what the booklet for
Yxy(69.6315, 0.4006, 0.4743)
contains.

Yxy(69.7678, 0.4007, 0.4745)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(69.7678, 0.4007, 0.4745)

Conversions

Conversions Part 1

Format	Color
Hex	E0E052
RGB	224, 224, 82
RGB Percent	88%, 88%, 32%
CMY	0.1216, 0.1215, 0.6783
CMYK	0.00, 0.00, 0.63, 0.12
HSL	60°, 70%, 60%
HSV	60°, 63%, 88%
XYZ	58.9167, 69.7678, 18.3499
YIQ	207.8120, 45.5820, -44.1620

Conversions

Conversions Part 2

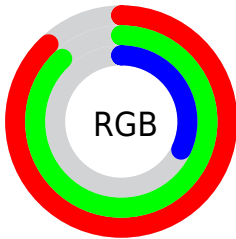
Format	Color
R _Y B	82, 224, 82
Decimal	14737490
CIE Lab	86.88, -17.14, 66.91
CIE LCh	87, 69.072, 104.368
Yxy	69.7678, 0.4007, 0.4745
Android (android.graphics.Color)	4292927570 (0xFFE0E052)
YUV	207.8120, -62.0253, 14.1969
Hunter-Lab	83.5271, -20.2658, 45.4437

Details

The Yxy color **69.7678, 0.4007, 0.4745** 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 **13.2186, 0.1897, 0.1256**, and the grayscale version is **63.3384, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6150, 0.3809, 0.4417**, and **36.5203, 0.4140, 0.5038** is the 20% darker color. If you saturate the color by 10%, you get **69.4831, 0.4091, 0.4885**, and if you desaturate by 10%, it is **70.1703, 0.3899, 0.4566**.

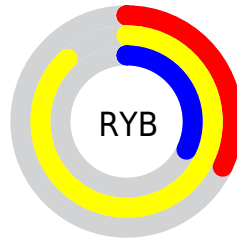
Distribution



Red (88%)

Green (88%)

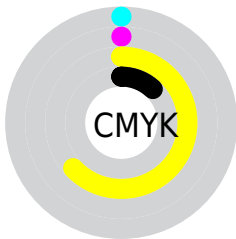
Blue (32%)



Red (32%)

Yellow (88%)

Blue (32%)

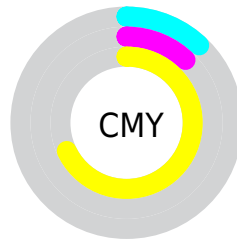


Cyan (0%)

Magenta (0%)

Yellow (63%)

Black (12%)



Cyan (12%)

Magenta (12%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.7678, 0.4007, 0.4745 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 69.7678, 0.4007, 0.4745 by changing the saturation by 10% instead.

 69.7678, 0.4007,
0.4745


 69.7678, 0.4007,
0.4745


459.7343, 0.3648,
0.4085


 51.3373, 0.4069,
0.4882


 118.8776, 0.3897,
0.4525


 36.4771, 0.4134,
0.5041


 150.3256, 0.3849,
0.4437

 24.8029, 0.4196,
0.5223


 186.8815, 0.3807,
0.4359

 15.9303, 0.4241,
0.5428

 228.9298, 0.3768,
0.4291

 9.4748, 0.4292,
0.5708

276.8548, 0.3734,
0.4230

 5.0522, 0.4151,
0.5849

331.0410, 0.3702,

 2.2779, 0.3923,

0.4177

0.6077

391.8727, 0.3674,
0.4129

0.7620, 0.2864,
0.7136

0.0000, 0.0000,
0.0000

69.7678, 0.4007,
0.4745

69.7678, 0.4007,
0.4745

69.4831, 0.4091,
0.4885

70.1703, 0.3899,
0.4566

69.2951, 0.4149,
0.4981

70.6906, 0.3771,
0.4354

69.1935, 0.4182,
0.5034

71.3407, 0.3629,
0.4120

69.1590, 0.4193,
0.5053


72.1285, 0.3479,
0.3872

 73.0612, 0.3327,
0.3620

 74.1457, 0.3177,
0.3372

 75.3883, 0.3032,
0.3133

 76.3863, 0.2933,
0.2970

 76.3869, 0.2934,
0.2970

Harmonies

Analogous

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



69.7678, 0.4593, 0.4272



69.7678, 0.4007, 0.4745



69.7678, 0.3231, 0.4804

Triad

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



69.7678, 0.4007, 0.4745



69.7678, 0.1706, 0.2558



69.7678, 0.3693, 0.2555

Complementary

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



69.7678, 0.4007, 0.4745



13.2186, 0.1897, 0.1256

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.



69.7678, 0.2836, 0.2188



69.7678, 0.4007, 0.4745



69.7678, 0.1791, 0.2143

Square

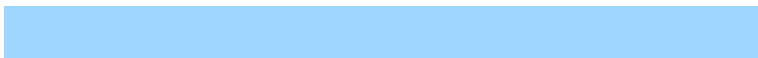
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.7678, 0.4007, 0.4745



69.7678, 0.1928, 0.3314



69.7678, 0.2169, 0.2037



69.7678, 0.4456, 0.3075

Rectangle

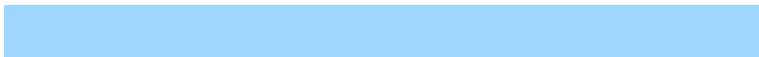
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.7678, 0.4007, 0.4745



69.7678, 0.2707, 0.4485



69.7678, 0.2169, 0.2037



69.7678, 0.3400, 0.2412

Sweetspot

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



69.7710, 0.4007, 0.4745



97.2614, 0.3414, 0.3765



22.4983, 0.5170, 0.3296



20.7435, 0.3458, 0.3838



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.



69.7710, 0.4007, 0.4745



93.1127, 0.4113, 0.4920



60.7006, 0.3457, 0.5077



16.0295, 0.3267, 0.3522



40.2518, 0.4193, 0.5053



2.7901, 0.4193, 0.5053

Inverse Universe

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



13.2186, 0.1897, 0.1256



11.5784, 0.1680, 0.0898



18.1965, 0.2462, 0.1513



13.2434, 0.2980, 0.3047



3.1328, 0.1500, 0.0600



0.2172, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 69.7678, 0.4007, 0.4745 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 69.7678, 0.4007, 0.4745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

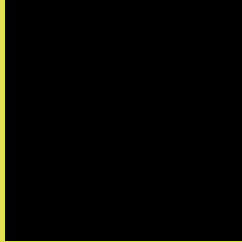
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.7678, 0.4007, 0.4745

Background



This preview shows how black text looks on a background with the Yxy color 69.7678, 0.4007, 0.4745.



This preview shows how white text looks on a background with the Yxy color 69.7678, 0.4007, 0.4745.

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

69.7678, 0.4007, 0.4745

Protanopia

69.7767, 0.4205, 0.4622

Deuteranopia

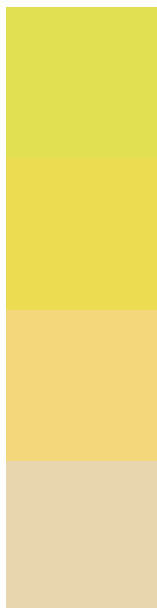
69.3975, 0.3958, 0.3958



Tritanopia

69.5887, 0.3217, 0.3122

Trichromacy



Original Color

69.7678, 0.4007, 0.4745

Protanomaly

69.6133, 0.4132, 0.4664

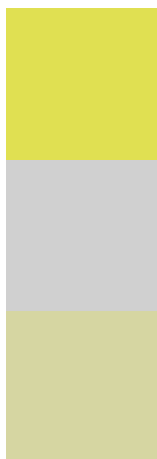
Deuteranomaly

69.2391, 0.4002, 0.4255

Tritanomaly

68.8127, 0.3546, 0.3741

Monochromacy



Original Color

69.7678, 0.4007, 0.4745

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

64.9979, 0.3492, 0.3893

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.7678, 0.4007, 0.4745 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(224, 224, 82)` looks like.

```
.text, #text, p{  
    color:rgb(224, 224, 82)  
}
```

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(224, 224, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 224, 82) }
```

Border

The CSS property to change the border of an element to Yxy 69.7678, 0.4007, 0.4745 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(224, 224, 82) }
```

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

```
.border{ border-color:rgb(224, 224, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 224, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 224, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 224, 82);  
box-shadow:4px 4px 4px 4px rgb(224, 224,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 69.7678, 0.4007, 0.4745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 224, 82) }
```

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

```
.background{ background-color: rgb(224,  
224, 82) }
```

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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