

Converting Colors

$Yxy(70.4521, 0.4013, 0.4755)$

Have a look what the booklet for
Yxy(70.4521, 0.4013, 0.4755)
contains.

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Color

Yxy(70.4521, 0.4013, 0.4755)

Conversions

Conversions Part 1

Format	Color
Hex	E1E151
RGB	225, 225, 81
RGB Percent	88%, 88%, 32%
CMY	0.1177, 0.1176, 0.6822
CMYK	0.00, 0.00, 0.64, 0.12
HSL	60°, 71%, 60%
HSV	60°, 64%, 88%
XYZ	59.4583, 70.4521, 18.2538
YIQ	208.5840, 46.2240, -44.7840

Conversions

Conversions Part 2

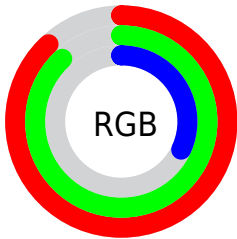
Format	Color
RYB	81, 225, 81
Decimal	14803281
CIELab	87.22, -17.28, 67.68
CIELCh	87, 69.854, 104.324
Yxy	70.4521, 0.4013, 0.4755
Android (android.graphics.Color)	4292993361 (0xFFE1E151)
YUV	208.5840, -62.8989, 14.3968
Hunter-Lab	83.9357, -20.4419, 45.8610

Details

The Yxy color **70.4521, 0.4013, 0.4755** 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 **13.0775, 0.1885, 0.1237**, and the grayscale version is **63.8722, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5861, 0.3814, 0.4426**, and **36.8855, 0.4135, 0.5055** is the 20% darker color. If you saturate the color by 10%, you get **70.1710, 0.4096, 0.4892**, and if you desaturate by 10%, it is **70.8515, 0.3906, 0.4578**.

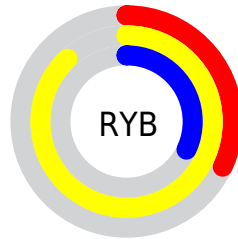
Distribution



Red (88%)

Green (88%)

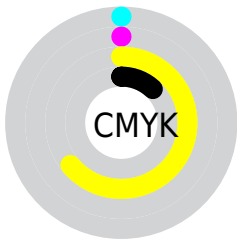
Blue (32%)



Red (32%)

Yellow (88%)

Blue (32%)

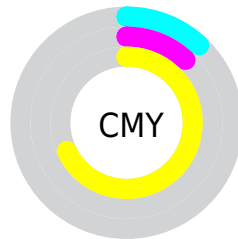


Cyan (0%)

Magenta (0%)

Yellow (64%)

Black (12%)



Cyan (12%)


Magenta (12%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.4521, 0.4013, 0.4755 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 70.4521, 0.4013, 0.4755 by changing the saturation by 10% instead.


 70.4521, 0.4013,
0.4755

 70.4521, 0.4013,
0.4755


462.1358, 0.3653,
0.4093

 51.8952, 0.4075,
0.4892

 119.8533, 0.3903,
0.4535

 36.9215, 0.4139,
0.5050


 151.4663, 0.3856,
0.4446

 25.1467, 0.4200,
0.5232


 188.2002, 0.3813,
0.4368

 16.1864, 0.4243,
0.5434

 230.4393, 0.3774,
0.4300

 9.6562, 0.4290,
0.5710

278.5680, 0.3739,
0.4239

 5.1716, 0.4151,
0.5849

332.9707, 0.3708,

 2.3483, 0.3925,

0.4185

0.6075

394.0319, 0.3679,
0.4136

0.7991, 0.2970,
0.7030

0.0000, 0.0000,
0.0000

70.4521, 0.4013,
0.4755

70.4521, 0.4013,
0.4755

70.1710, 0.4096,
0.4892

70.8515, 0.3906,
0.4578

69.9869, 0.4152,
0.4985

71.3695, 0.3779,
0.4368

69.8891, 0.4183,
0.5037

72.0180, 0.3638,
0.4135

69.8582, 0.4193,
0.5053

72.8053, 0.3488,
0.3887

■ 73.7386, 0.3336,
0.3635

■ 74.8249, 0.3186,
0.3387

■ 76.0706, 0.3041,
0.3148

■ 77.0868, 0.2940,
0.2981

■ 77.0875, 0.2940,
0.2981

Harmonies

Analogous

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



70.4521, 0.4603, 0.4276



70.4521, 0.4013, 0.4755



70.4521, 0.3231, 0.4818

Triad

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



70.4521, 0.4013, 0.4755



70.4521, 0.1697, 0.2553



70.4521, 0.3696, 0.2549

Complementary

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



70.4521, 0.4013, 0.4755



13.0775, 0.1885, 0.1237

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.



70.4521, 0.2832, 0.2180



70.4521, 0.4013, 0.4755



70.4521, 0.1782, 0.2135

Square

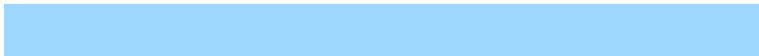
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.4521, 0.4013, 0.4755



70.4521, 0.1920, 0.3314



70.4521, 0.2162, 0.2029



70.4521, 0.4466, 0.3072

Rectangle

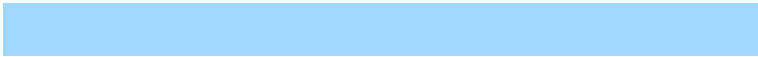
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.4521, 0.4013, 0.4755



70.4521, 0.2704, 0.4497



70.4521, 0.2162, 0.2029



70.4521, 0.3400, 0.2405

Sweetspot

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



70.4554, 0.4013, 0.4755



97.2611, 0.3414, 0.3765



22.4927, 0.5200, 0.3296



20.7434, 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.



70.4554, 0.4013, 0.4755



93.0846, 0.4119, 0.4930



61.2249, 0.3457, 0.5094



16.0294, 0.3267, 0.3522



40.2512, 0.4193, 0.5053



2.7900, 0.4193, 0.5053

Inverse Universe

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



13.0775, 0.1885, 0.1237



11.2324, 0.1667, 0.0876



18.0999, 0.2454, 0.1496



13.2435, 0.2980, 0.3047



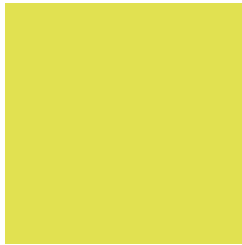
3.1328, 0.1500, 0.0600



0.2172, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 70.4521, 0.4013, 0.4755 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 70.4521, 0.4013, 0.4755 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 70.4521, 0.4013, 0.4755

Background



This preview shows how black text looks on a background with the Yxy color 70.4521, 0.4013, 0.4755.



This preview shows how white text looks on a background with the Yxy color 70.4521, 0.4013, 0.4755.

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

70.4521, 0.4013, 0.4755

Protanopia

70.4606, 0.4210, 0.4632

Deuteranopia

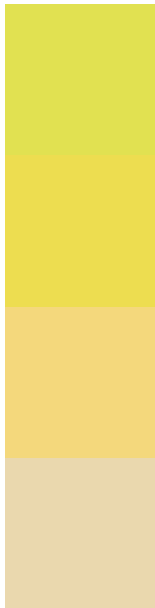
69.9866, 0.3932, 0.3938



Tritanopia

70.4853, 0.3224, 0.3123

Trichromacy



Original Color

70.4521, 0.4013, 0.4755

Protanomaly

70.2966, 0.4137, 0.4674

Deuteranomaly

69.8001, 0.3985, 0.4246

Tritanomaly

69.6602, 0.3559, 0.3749

Monochromacy



Original Color

70.4521, 0.4013, 0.4755

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

65.6566, 0.3497, 0.3902

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.4521, 0.4013, 0.4755 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(225, 225, 81)` looks like.

```
.text, #text, p{  
    color:rgb(225, 225, 81)  
}
```

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(225, 225, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 225, 81) }
```

Border

The CSS property to change the border of an element to Yxy 70.4521, 0.4013, 0.4755 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(225, 225, 81) }
```

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

```
.border{ border-color:rgb(225, 225, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 225, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 225, 81); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 225, 81); box-shadow:4px 4px 4px 4px rgb(225, 225, 81) }
```


Background

The CSS property to change the background color of an element to Yxy 70.4521, 0.4013, 0.4755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 225, 81) }
```

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

```
.background{ background-color: rgb(225,  
225, 81) }
```

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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