

Converting Colors

$Yxy(68.1122, 0.4262, 0.4555)$

Have a look what the booklet for
Yxy(68.1122, 0.4262, 0.4555)
contains.

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Color

Yxy(67.9719, 0.4262, 0.4550)

Conversions

Conversions Part 1

Format	Color
Hex	F7D552
RGB	247, 213, 82
RGB Percent	97%, 84%, 32%
CMY	0.0315, 0.1646, 0.6784
CMYK	0.00, 0.14, 0.67, 0.03
HSL	48°, 91%, 65%
HSV	48°, 67%, 97%
XYZ	63.6695, 67.9719, 17.7474
YIQ	208.2320, 62.3150, -33.5330

Conversions

Conversions Part 2

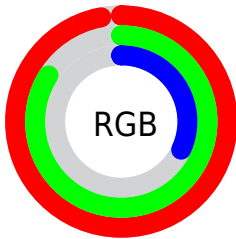
Format	Color
RYB	125, 247, 82
Decimal	16242002
CIELab	85.99, -2.13, 66.60
CIELCh	86, 66.633, 91.834
Yxy	67.9719, 0.4262, 0.4550
Android (android.graphics.Color)	4294432082 (0xFFFF7D552)
YUV	208.2320, -62.2324, 33.9995
Hunter-Lab	82.4451, -6.4294, 44.9486

Details

The Yxy color **67.9719, 0.4262, 0.4550** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light muted yellow. A complement of this color would be **20.9922, 0.1919, 0.1520**, and the grayscale version is **63.6175, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5861, 0.3814, 0.4426**, and **35.4081, 0.4453, 0.4777** is the 20% darker color. If you saturate the color by 10%, you get **65.1461, 0.4402, 0.4653**, and if you desaturate by 10%, it is **71.0196, 0.4101, 0.4407**.

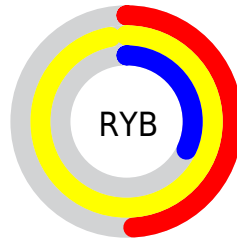
Distribution



Red (97%)

Green (84%)

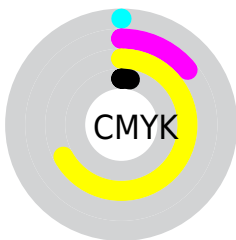
Blue (32%)



Red (49%)

Yellow (97%)

Blue (32%)

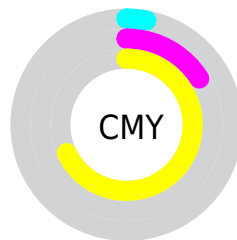


Cyan (0%)

Magenta (14%)

Yellow (67%)

Black (3%)



Cyan (3%)


Magenta (16%)


Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.9719, 0.4262, 0.4550 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 67.9719, 0.4262, 0.4550 by changing the saturation by 10% instead.


 67.9719, 0.4262,
0.4550

 67.9719, 0.4262,
0.4550


453.3964, 0.3775,
0.4003


 49.8749, 0.4354,
0.4656


 116.3119, 0.4107,
0.4374


 35.3140, 0.4456,
0.4775


 147.3238, 0.4042,
0.4301

 23.9048, 0.4565,
0.4903


 183.4093, 0.3984,
0.4236

 15.2630, 0.4672,
0.5035

 224.9529, 0.3933,
0.4179

 9.0042, 0.4801,
0.5199

272.3390, 0.3887,
0.4128

 4.7439, 0.4784,
0.5216

325.9521, 0.3846,

 2.0978, 0.4756,

0.4082

0.5244

386.1764, 0.3809,
0.4040

0.6634, 0.4658,
0.5342

0.0000, 0.0000,
0.0000

67.9719, 0.4262,
0.4550

67.9719, 0.4262,
0.4550

65.1461, 0.4402,
0.4653

71.0196, 0.4101,
0.4407

62.5165, 0.4514,
0.4709

74.2933, 0.3926,
0.4233

60.0662, 0.4597,
0.4717


77.8084, 0.3746,
0.4038


59.3091, 0.4620,
0.4714


81.5760, 0.3567,
0.3833

 85.6062, 0.3394,
0.3626

 89.9085, 0.3231,
0.3423

 94.4919, 0.3080,
0.3229

 97.6783, 0.3078,
0.3277

 98.5101, 0.3078,
0.3290

Harmonies

Analogous

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



67.9719, 0.4695, 0.4014



67.9719, 0.4262, 0.4550



67.9719, 0.3559, 0.4808

Triad

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



67.9719, 0.4262, 0.4550



67.9719, 0.1791, 0.2849



67.9719, 0.3322, 0.2399

Complementary

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



67.9719, 0.4262, 0.4550



20.9922, 0.1919, 0.1520

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.



67.9719, 0.2540, 0.2122



67.9719, 0.4262, 0.4550



67.9719, 0.1750, 0.2301

Square

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



67.9719, 0.4262, 0.4550



67.9719, 0.2143, 0.3691



67.9719, 0.2002, 0.2076



67.9719, 0.4145, 0.2856

Rectangle

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



67.9719, 0.4262, 0.4550



67.9719, 0.3037, 0.4676



67.9719, 0.2002, 0.2076



67.9719, 0.3043, 0.2284

Sweetspot

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



67.9752, 0.4262, 0.4550



90.6225, 0.3449, 0.3693



27.1079, 0.4868, 0.2957



19.1352, 0.3497, 0.3751



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.



67.9752, 0.4262, 0.4550



69.0882, 0.4443, 0.4677



79.4292, 0.3705, 0.5017



18.7002, 0.3274, 0.3477



31.5832, 0.4611, 0.4721



2.9184, 0.4548, 0.4770

Inverse Universe

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



20.9922, 0.1919, 0.1520



15.7523, 0.1722, 0.1163



17.3972, 0.2118, 0.1279



16.4793, 0.2979, 0.3096



4.9586, 0.1557, 0.0806



0.5769, 0.1617, 0.1022

Previews

White Background



This preview shows how the Yxy color 67.9719, 0.4262, 0.4550 looks on a white background.

Color Contrast Check

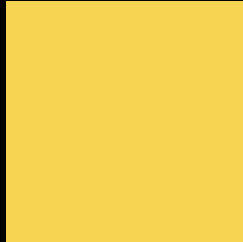
Large Text (above 18pt) WCAG AA × Fail

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 67.9719, 0.4262, 0.4550 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 67.9719, 0.4262, 0.4550

Background



This preview shows how black text looks on a background with the Yxy color 67.9719, 0.4262, 0.4550.



This preview shows how white text looks on a background with the Yxy color 67.9719, 0.4262, 0.4550.

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

67.9719, 0.4262, 0.4550

Protanopia

68.2615, 0.4181, 0.4600

Deuteranopia

67.6632, 0.4037, 0.4017



Tritanopia

67.9396, 0.3447, 0.3148

Trichromacy



Original Color

67.9719, 0.4262, 0.4550

Protanomaly

68.2801, 0.4212, 0.4578

Deuteranomaly

67.5573, 0.4138, 0.4229

Tritanomaly

67.1481, 0.3789, 0.3690

Monochromacy



Original Color

67.9719, 0.4262, 0.4550

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

64.2314, 0.3567, 0.3838

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.9719, 0.4262, 0.4550 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(247, 213, 82)` looks like.

```
.text, #text, p{  
    color:rgb(247, 213, 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(247, 213, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 213, 82) }
```

Border

The CSS property to change the border of an element to Yxy 67.9719, 0.4262, 0.4550 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(247, 213, 82) }
```

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

```
.border{ border-color:rgb(247, 213, 82) }
```

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

Here you see how a box with a 4 pixel rgb(247, 213, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 213, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 213, 82);  
box-shadow:4px 4px 4px 4px rgb(247, 213,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 67.9719, 0.4262, 0.4550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 213, 82) }
```

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

```
.background{ background-color: rgb(247,  
213, 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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