

Converting Colors

Yxy(51.1354, 0.4571, 0.4362)

Have a look what the booklet for
Yxy(51.1354, 0.4571, 0.4362)
contains.

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Color

Yxy(51.1354, 0.4571, 0.4362)

Conversions

Conversions Part 1

Format	Color
Hex	F2B244
RGB	242, 178, 68
RGB Percent	95%, 70%, 27%
CMY	0.0509, 0.3020, 0.7335
CMYK	0.00, 0.26, 0.72, 0.05
HSL	38°, 87%, 61%
HSV	38°, 72%, 95%
XYZ	53.5855, 51.1354, 12.5084
YIQ	184.5960, 73.4540, -20.6420

Conversions

Conversions Part 2

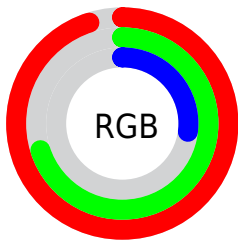
Format	Color
R_{YB}	169, 242, 68
Decimal	15905348
CIE _{Lab}	76.76, 13.22, 62.71
CIE _{LCh}	77, 64.087, 78.094
Yxy	51.1354, 0.4571, 0.4362
Android (android.graphics.Color)	4294095428 (0xFFFF2B244)
YUV	184.5960, -57.4818, 50.3433
Hunter-Lab	71.5090, 8.6187, 39.6853

Details

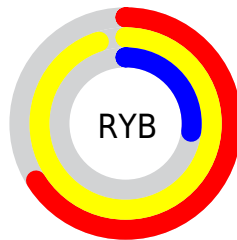
The Yxy color **51.1354, 0.4571, 0.4362** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light washed orange. A complement of this color would be **24.1372, 0.1931, 0.1748**, and the grayscale version is **48.5742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5108, 0.3990, 0.4384**, and **24.7455, 0.4853, 0.4529** is the 20% darker color. If you saturate the color by 10%, you get **47.4729, 0.4767, 0.4413**, and if you desaturate by 10%, it is **55.1547, 0.4355, 0.4265**.

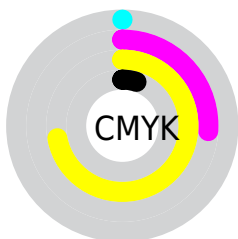
Distribution



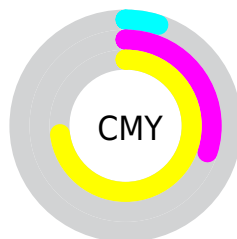
- Red (95%)
- Green (70%)
- Blue (27%)



- Red (66%)
- Yellow (95%)
- Blue (27%)



- Cyan (0%)
- Magenta (26%)
- Yellow (72%)
- Black (5%)





- Cyan (5%)
- Magenta (30%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.1354, 0.4571, 0.4362 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 51.1354, 0.4571, 0.4362 by changing the saturation by 10% instead.


 51.1354, 0.4571,
0.4362

 51.1354, 0.4571,
0.4362


391.0896, 0.3905,
0.3908

 36.3164, 0.4708,
0.4441


 91.8549, 0.4349,
0.4222

 24.6786, 0.4863,
0.4521


 118.5241, 0.4259,
0.4161

 15.8378, 0.5036,
0.4592

 149.9123, 0.4181,
0.4107

 9.4094, 0.5284,
0.4692

 186.4036, 0.4112,
0.4059

 5.0092, 0.5392,
0.4608

 228.3827, 0.4051,
0.4015

 2.2527, 0.5542,
0.4458

276.2337, 0.3997,

 0.7485, 0.5836,

0.3976

0.4164

330.3413, 0.3948,
0.3940

■ 0.0000, 0.0000,
0.0000

■ 51.1354, 0.4571,
0.4362

■ 51.1354, 0.4571,
0.4362

■ 47.4729, 0.4767,
0.4413

■ 55.1547, 0.4355,
0.4265

■ 44.1391, 0.4933,
0.4412

■ 59.5408, 0.4131,
0.4134


■ 41.6635, 0.5044,
0.4377


■ 64.3120, 0.3909,
0.3980

■ 69.4826, 0.3697,
0.3814

■ 75.0659, 0.3499,
0.3645

 81.0744, 0.3319,
0.3479

 87.5201, 0.3156,
0.3320

 93.9830, 0.3049,
0.3233

 97.6204, 0.3048,
0.3290

Harmonies

Analogous

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



51.1354, 0.4837, 0.3751



51.1354, 0.4571, 0.4362



51.1354, 0.3932, 0.4822

Triad

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



51.1354, 0.4571, 0.4362



51.1354, 0.1851, 0.3198



51.1354, 0.2929, 0.2197

Complementary

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



51.1354, 0.4571, 0.4362



24.1372, 0.1931, 0.1748

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.



51.1354, 0.2214, 0.2013



51.1354, 0.4571, 0.4362



51.1354, 0.1667, 0.2464

Square

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



51.1354, 0.4571, 0.4362



51.1354, 0.2364, 0.4149



51.1354, 0.1791, 0.2085



51.1354, 0.3819, 0.2595

Rectangle

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



51.1354, 0.4571, 0.4362



51.1354, 0.3401, 0.4890



51.1354, 0.1791, 0.2085



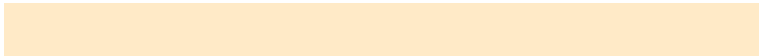
51.1354, 0.2661, 0.2110

Sweetspot

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



51.1379, 0.4571, 0.4362



84.4332, 0.3502, 0.3647



24.7507, 0.4623, 0.2658



17.6966, 0.3554, 0.3693



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.



51.1379, 0.4571, 0.4362



51.7892, 0.4843, 0.4419



79.4159, 0.3934, 0.4972



17.4247, 0.3277, 0.3439



22.6481, 0.5026, 0.4391



2.0733, 0.4888, 0.4501

Inverse Universe

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



24.1372, 0.1931, 0.1748



20.1636, 0.1759, 0.1416



12.6297, 0.1844, 0.1052



16.1808, 0.2980, 0.3137



7.5215, 0.1659, 0.1172



0.8095, 0.1732, 0.1434

Previews

White Background



This preview shows how the Yxy color 51.1354, 0.4571, 0.4362 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 51.1354, 0.4571, 0.4362 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 51.1354, 0.4571, 0.4362

Background



This preview shows how black text looks on a background with the Yxy color 51.1354, 0.4571, 0.4362.



This preview shows how white text looks on a background with the Yxy color 51.1354, 0.4571, 0.4362.

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

51.1354, 0.4571, 0.4362

Protanopia

51.2789, 0.4193, 0.4604

Deuteranopia

51.0523, 0.4516, 0.4412



Tritanopia

51.2161, 0.3791, 0.3164

Trichromacy



Original Color

51.1354, 0.4571, 0.4362

Protanomaly

51.2480, 0.4328, 0.4518

Deuteranomaly

50.9962, 0.4542, 0.4392

Tritanomaly

50.7641, 0.4127, 0.3638

Monochromacy



Original Color

51.1354, 0.4571, 0.4362

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.5307, 0.3675, 0.3789

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.1354, 0.4571, 0.4362 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(242, 178, 68)` looks like.

```
.text, #text, p{  
    color:rgb(242, 178, 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(242, 178, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 178, 68) }
```

Border

The CSS property to change the border of an element to Yxy 51.1354, 0.4571, 0.4362 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(242, 178, 68) }
```

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

```
.border{ border-color:rgb(242, 178, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 178, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 178, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 178, 68);  
box-shadow:4px 4px 4px 4px rgb(242, 178,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 51.1354, 0.4571, 0.4362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 178, 68) }
```

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

```
.background{ background-color: rgb(242,  
178, 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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