

Converting Colors

$Yxy(50.7747, 0.4323, 0.4155)$

Have a look what the booklet for
Yxy(50.7747, 0.4323, 0.4155)
contains.

Yxy(50.9549, 0.4321, 0.4160)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.9549, 0.4321, 0.4160)

Conversions

Conversions Part 1

Format	Color
Hex	ECB362
RGB	236, 179, 98
RGB Percent	93%, 70%, 38%
CMY	0.0744, 0.2981, 0.6156
CMYK	0.00, 0.24, 0.58, 0.07
HSL	35°, 78%, 66%
HSV	35°, 58%, 93%
XYZ	52.9270, 50.9549, 18.6059
YIQ	186.8090, 59.9730, -13.1070

Conversions

Conversions Part 2

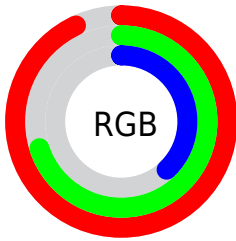
Format	Color
RYB	195, 236, 98
Decimal	15512418
CIELab	76.65, 11.99, 48.76
CIElCh	77, 50.214, 76.181
Yxy	50.9549, 0.4321, 0.4160
Android (android.graphics.Color)	4293702498 (0xFFECB362)
YUV	186.8090, -43.7828, 43.1405
Hunter-Lab	71.3827, 7.4297, 34.5140

Details

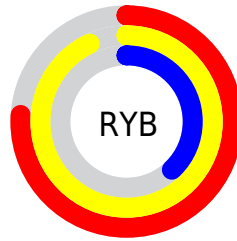
The Yxy color **50.9549, 0.4321, 0.4160** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **32.1225, 0.2157, 0.2171**, and the grayscale version is **49.8104, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9110, 0.3813, 0.4131**, and **24.4741, 0.4611, 0.4323** is the 20% darker color. If you saturate the color by 10%, you get **46.8019, 0.4560, 0.4261**, and if you desaturate by 10%, it is **55.5211, 0.4081, 0.4029**.

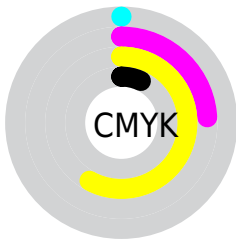
Distribution



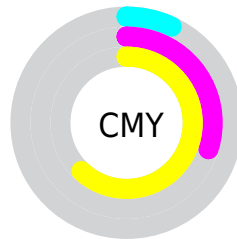
- Red (93%)
- Green (70%)
- Blue (38%)



- Red (76%)
- Yellow (93%)
- Blue (38%)



- Cyan (0%)
- Magenta (24%)
- Yellow (58%)
- Black (7%)





- Cyan (7%)
- Magenta (30%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.9549, 0.4321, 0.4160 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 50.9549, 0.4321, 0.4160 by changing the saturation by 10% instead.


 50.9549, 0.4321,
0.4160


 50.9549, 0.4321,
0.4160


390.3885, 0.3750,
0.3771

 36.1727, 0.4449,
0.4238


 91.5881, 0.4123,
0.4032

 24.5676, 0.4602,
0.4325


 118.2079, 0.4046,
0.3980

 15.7552, 0.4786,
0.4420


 149.5424, 0.3980,
0.3934

 9.3511, 0.5003,
0.4510

 185.9759, 0.3922,
0.3894

 4.9709, 0.5346,
0.4654

227.8929, 0.3871,
0.3858

 2.2302, 0.5485,
0.4515

275.6777, 0.3826,

 0.7364, 0.5764,

0.3826

0.4236

329.7148, 0.3786,
0.3797

0.0000, 0.0000,
0.0000

50.9549, 0.4321,
0.4160

50.9549, 0.4321,
0.4160

46.8019, 0.4560,
0.4261

55.5211, 0.4081,
0.4029

43.0369, 0.4786,
0.4320

60.5089, 0.3850,
0.3880

39.6426, 0.4985,
0.4328

65.9357, 0.3635,
0.3723

36.5925, 0.5150,
0.4283

71.8154, 0.3438,
0.3566

36.1519, 0.5174,
0.4274

78.1608, 0.3262,
0.3413

■ 84.9845, 0.3104,
0.3268

■ 91.7555, 0.3012,
0.3213

■ 96.5793, 0.3012,
0.3290

Harmonies

Analogous

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



50.9549, 0.4482, 0.3671



50.9549, 0.4321, 0.4160



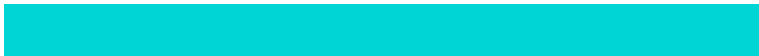
50.9549, 0.3839, 0.4495

Triad

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



50.9549, 0.4321, 0.4160



50.9549, 0.2120, 0.3282



50.9549, 0.2937, 0.2381

Complementary

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



50.9549, 0.4321, 0.4160



32.1225, 0.2157, 0.2171

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.



50.9549, 0.2365, 0.2244



50.9549, 0.4321, 0.4160



50.9549, 0.1937, 0.2678

Square

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



50.9549, 0.4321, 0.4160



50.9549, 0.2568, 0.3993



50.9549, 0.2023, 0.2332



50.9549, 0.3633, 0.2706

Rectangle

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



50.9549, 0.4321, 0.4160



50.9549, 0.3418, 0.4532



50.9549, 0.2023, 0.2332



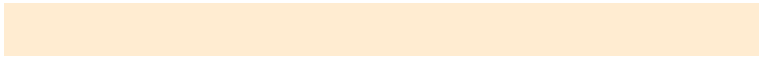
50.9549, 0.2725, 0.2313

Sweetspot

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



50.9574, 0.4321, 0.4160



85.8750, 0.3431, 0.3560



28.9632, 0.4147, 0.2673



17.9290, 0.3486, 0.3605



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.



50.9574, 0.4321, 0.4160



54.9249, 0.4603, 0.4275



76.8281, 0.3872, 0.4713



16.5226, 0.3278, 0.3428



20.1818, 0.5154, 0.4290



1.7737, 0.4984, 0.4424

Inverse Universe

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



32.1225, 0.2157, 0.2171



30.6802, 0.1982, 0.1899



18.0823, 0.2063, 0.1441



15.5717, 0.2980, 0.3148



8.3483, 0.1696, 0.1305



0.8411, 0.1772, 0.1577

Previews

White Background



This preview shows how the Yxy color 50.9549, 0.4321, 0.4160 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 50.9549, 0.4321, 0.4160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

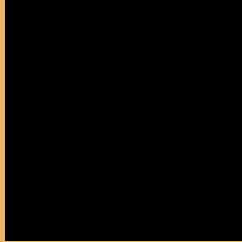
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.9549, 0.4321, 0.4160

Background



This preview shows how black text looks on a background with the Yxy color 50.9549, 0.4321, 0.4160.



This preview shows how white text looks on a background with the Yxy color 50.9549, 0.4321, 0.4160.

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

50.9549, 0.4321, 0.4160

Protanopia

51.3415, 0.3977, 0.4335

Deuteranopia

50.8480, 0.4287, 0.4182



Tritanopia

50.8080, 0.3694, 0.3149

Trichromacy



Original Color

50.9549, 0.4321, 0.4160

Protanomaly

51.1175, 0.4099, 0.4266

Deuteranomaly

51.0168, 0.4296, 0.4178

Tritanomaly

50.6468, 0.3943, 0.3537

Monochromacy



Original Color

50.9549, 0.4321, 0.4160

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.6267, 0.3549, 0.3652

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.9549, 0.4321, 0.4160 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(236, 179, 98)` looks like.

```
.text, #text, p{  
    color:rgb(236, 179, 98)  
}
```

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(236, 179, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 179, 98) }
```

Border

The CSS property to change the border of an element to Yxy 50.9549, 0.4321, 0.4160 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(236, 179, 98) }
```

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

```
.border{ border-color:rgb(236, 179, 98) }
```

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

Here you see how a box with a 4 pixel rgb(236, 179, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 179, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 179, 98);  
box-shadow:4px 4px 4px 4px rgb(236, 179,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 50.9549, 0.4321, 0.4160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 179, 98) }
```

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

```
.background{ background-color: rgb(236,  
179, 98) }
```

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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