

Converting Colors

$Y_{xy}(53.2120, 0.4451, 0.4430)$

Have a look what the booklet for
Yxy(53.2120, 0.4451, 0.4430)
contains.

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Color

Yxy(53.1574, 0.4452, 0.4431)

Conversions

Conversions Part 1

Format	Color
Hex	EDB947
RGB	237, 185, 71
RGB Percent	93%, 73%, 28%
CMY	0.0706, 0.2745, 0.7217
CMYK	0.00, 0.22, 0.70, 0.07
HSL	41°, 82%, 60%
HSV	41°, 70%, 93%
XYZ	53.4093, 53.1574, 13.4003
YIQ	187.5520, 67.5860, -24.4300

Conversions

Conversions Part 2

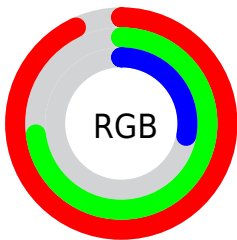
Format	Color
RYB	147, 237, 71
Decimal	15579463
CIELab	77.97, 7.57, 62.53
CIELCh	78, 62.987, 83.100
Yxy	53.1574, 0.4452, 0.4431
Android (android.graphics.Color)	4293769543 (0xFFEDB947)
YUV	187.5520, -57.4601, 43.3659
Hunter-Lab	72.9091, 3.1686, 40.1392

Details

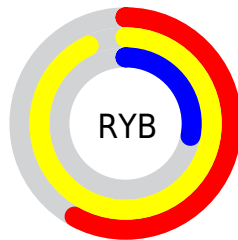
The Yxy color **53.1574, 0.4452, 0.4431** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **21.6063, 0.1927, 0.1668**, and the grayscale version is **50.3247, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6513, 0.3939, 0.4416**, and **25.8606, 0.4715, 0.4617** is the 20% darker color. If you saturate the color by 10%, you get **49.8884, 0.4628, 0.4502**, and if you desaturate by 10%, it is **56.7122, 0.4256, 0.4317**.

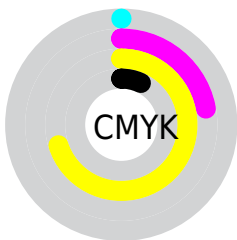
Distribution



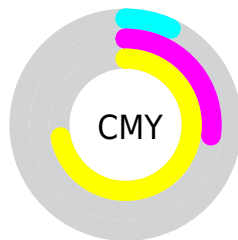
- Red (93%)
- Green (73%)
- Blue (28%)



- Red (58%)
- Yellow (93%)
- Blue (28%)



- Cyan (0%)
- Magenta (22%)
- Yellow (70%)
- Black (7%)



- Cyan (7%)
- Magenta (27%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.1574, 0.4452, 0.4431 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 53.1574, 0.4452, 0.4431 by changing the saturation by 10% instead.

53.1574, 0.4452,
0.4431

53.1574, 0.4452,
0.4431

398.8887, 0.3848,
0.3935

37.9284, 0.4574,
0.4523

94.8359, 0.4252,
0.4273

25.9272, 0.4713,
0.4621

122.0543, 0.4171,
0.4207

16.7691, 0.4864,
0.4719

154.0379, 0.4100,
0.4148

10.0700, 0.5063,
0.4839

191.1712, 0.4037,
0.4096

5.4454, 0.5167,
0.4833

233.8385, 0.3982,
0.4049

2.5109, 0.5251,
0.4749

282.4243, 0.3932,

0.8821, 0.5402,

0.4007

0.4598

337.3129, 0.3888,
0.3969

0.0000, 0.0000,
0.0000

53.1574, 0.4452,
0.4431

53.1574, 0.4452,
0.4431

49.8884, 0.4628,
0.4502

56.7122, 0.4256,
0.4317

46.8804, 0.4775,
0.4523


60.5597, 0.4051,
0.4170


44.1232, 0.4892,
0.4498

64.7157, 0.3845,
0.4001


69.1922, 0.3646,
0.3822

74.0002, 0.3459,
0.3640

 79.1500, 0.3285,
0.3462

 84.6515, 0.3128,
0.3291

 90.1504, 0.3018,
0.3184

 94.7156, 0.3018,
0.3258

Harmonies

Analogous

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



53.1574, 0.4781, 0.3848



53.1574, 0.4452, 0.4431



53.1574, 0.3791, 0.4818

Triad

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



53.1574, 0.4452, 0.4431



53.1574, 0.1832, 0.3063



53.1574, 0.3075, 0.2276

Complementary

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



53.1574, 0.4452, 0.4431



21.6063, 0.1927, 0.1668

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.



53.1574, 0.2336, 0.2058



53.1574, 0.4452, 0.4431



53.1574, 0.1702, 0.2403

Square

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



53.1574, 0.4452, 0.4431



53.1574, 0.2282, 0.3971



53.1574, 0.1872, 0.2085



53.1574, 0.3940, 0.2695

Rectangle

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



53.1574, 0.4452, 0.4431



53.1574, 0.3265, 0.4811



53.1574, 0.1872, 0.2085



53.1574, 0.2803, 0.2178

Sweetspot

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



53.1600, 0.4452, 0.4431



86.7830, 0.3477, 0.3659



23.9495, 0.4735, 0.2781



18.2321, 0.3528, 0.3709



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.



53.1600, 0.4452, 0.4431



57.3559, 0.4694, 0.4517



74.2216, 0.3840, 0.4997



16.7851, 0.3276, 0.3451



24.3358, 0.4877, 0.4509



2.0815, 0.4759, 0.4603

Inverse Universe

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



21.6063, 0.1927, 0.1668



18.3847, 0.1741, 0.1317



13.4064, 0.1947, 0.1138



15.3185, 0.2980, 0.3123



6.2338, 0.1620, 0.1031



0.6558, 0.1696, 0.1305

Previews

White Background



This preview shows how the Yxy color 53.1574, 0.4452, 0.4431 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 53.1574, 0.4452, 0.4431 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 53.1574, 0.4452, 0.4431

Background



This preview shows how black text looks on a background with the Yxy color 53.1574, 0.4452, 0.4431.



This preview shows how white text looks on a background with the Yxy color 53.1574, 0.4452, 0.4431.

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

53.1574, 0.4452, 0.4431

Protanopia

53.0680, 0.4186, 0.4600

Deuteranopia

53.0227, 0.4503, 0.4393



Tritanopia

52.8875, 0.3655, 0.3140

Trichromacy



Original Color

53.1574, 0.4452, 0.4431

Protanomaly

52.9828, 0.4285, 0.4539

Deuteranomaly

53.2612, 0.4486, 0.4407

Tritanomaly

52.3659, 0.3998, 0.3645

Monochromacy



Original Color

53.1574, 0.4452, 0.4431

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

50.7068, 0.3632, 0.3811

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.1574, 0.4452, 0.4431 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(237, 185, 71)` looks like.

```
.text, #text, p{  
  color:rgb(237, 185, 71)  
}
```

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(237, 185, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 185, 71) }
```

Border

The CSS property to change the border of an element to Yxy 53.1574, 0.4452, 0.4431 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(237, 185, 71) }
```

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

```
.border{ border-color:rgb(237, 185, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 185, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 185, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 185, 71);  
box-shadow:4px 4px 4px 4px rgb(237, 185,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 53.1574, 0.4452, 0.4431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 185, 71) }
```

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

```
.background{ background-color: rgb(237,  
185, 71) }
```

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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