

Converting Colors

$Y_{xy}(55.5976, 0.4505, 0.4625)$

Have a look what the booklet for
Yxy(55.5976, 0.4505, 0.4625)
contains.

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Color

Yxy(55.4634, 0.4506, 0.4624)

Conversions

Conversions Part 1

Format	Color
Hex	EDBF2E
RGB	237, 191, 46
RGB Percent	93%, 75%, 18%
CMY	0.0706, 0.2510, 0.8198
CMYK	0.00, 0.19, 0.81, 0.07
HSL	46°, 84%, 55%
HSV	46°, 81%, 93%
XYZ	54.0480, 55.4634, 10.4354
YIQ	188.2240, 73.9610, -35.3430

Conversions

Conversions Part 2

Format	Color
R_{YB}	107, 237, 46
Decimal	15580974
CIE _{Lab}	79.31, 3.43, 72.80
CIE _{LCh}	79, 72.878, 87.302
Yxy	55.4634, 0.4506, 0.4624
Android (android.graphics.Color)	4293771054 (0xFFEDBF2E)
YUV	188.2240, -70.1164, 42.7766
Hunter-Lab	74.4738, -0.7858, 43.8238

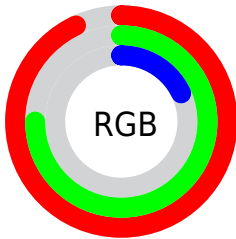
Details

The Yxy color **55.4634, 0.4506, 0.4624** is a light color, and the websafe version is hex **FFCC33**.

The color can be described as light washed orange. A complement of this color would be **14.3373, 0.1738, 0.1232**, and the grayscale version is **50.7969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8014, 0.4007, 0.4618**, and **27.4071, 0.4633, 0.4704** is the 20% darker color. If you saturate the color by 10%, you get **52.8878, 0.4621, 0.4656**, and if you desaturate by 10%, it is **58.2443, 0.4362, 0.4543**.

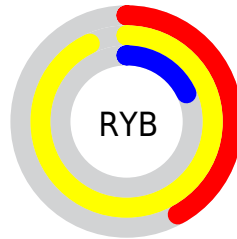
Distribution



Red (93%)

Green (75%)

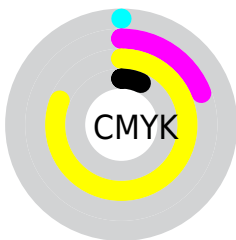
Blue (18%)



Red (42%)

Yellow (93%)

Blue (18%)

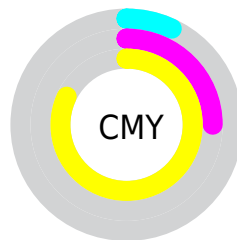


Cyan (0%)

Magenta (19%)

Yellow (81%)

Black (7%)



Cyan (7%)


Magenta (25%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.4634, 0.4506, 0.4624 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 55.4634, 0.4506, 0.4624 by changing the saturation by 10% instead.


 55.4634, 0.4506,
0.4624

 55.4634, 0.4506,
0.4624


407.6661, 0.3907,
0.4058


 39.7729, 0.4615,
0.4722


 98.2196, 0.4317,
0.4449


 27.3615, 0.4731,
0.4823

 126.0540, 0.4237,
0.4374


 17.8449, 0.4847,
0.4918


 158.7052, 0.4166,
0.4307

 10.8387, 0.4980,
0.5020

 196.5575, 0.4103,
0.4246

 5.9585, 0.5004,
0.4996

 239.9954, 0.4046,
0.4192

 2.8198, 0.5040,
0.4960

 289.4032, 0.3995,

 1.0384, 0.5105,

0.4143

345.1653, 0.3949,
0.4099

0.4895

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

55.4634, 0.4506,
0.4624

55.4634, 0.4506,
0.4624

52.8878, 0.4621,
0.4656

58.2443, 0.4362,
0.4543

50.6256, 0.4703,
0.4647

61.2383, 0.4195,
0.4419

64.4616, 0.4014,
0.4261

67.9262, 0.3827,
0.4080

■ 71.6427, 0.3641,
0.3885

■ 75.6210, 0.3461,
0.3686

■ 79.8704, 0.3293,
0.3490

■ 84.3994, 0.3136,
0.3301

■ 88.9397, 0.3018,
0.3164

Harmonies

Analogous

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



55.4634, 0.4966, 0.3970



55.4634, 0.4506, 0.4624



55.4634, 0.3723, 0.5053

Triad

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



55.4634, 0.4506, 0.4624



55.4634, 0.1639, 0.2885



55.4634, 0.3194, 0.2214

Complementary

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



55.4634, 0.4506, 0.4624



14.3373, 0.1738, 0.1232

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.



55.4634, 0.2333, 0.1941



55.4634, 0.4506, 0.4624



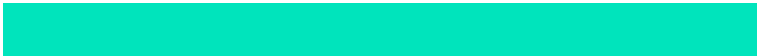
55.4634, 0.1554, 0.2211

Square

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



55.4634, 0.4506, 0.4624



55.4634, 0.2075, 0.3919



55.4634, 0.1783, 0.1924



55.4634, 0.4181, 0.2696

Rectangle

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



55.4634, 0.4506, 0.4624



55.4634, 0.3130, 0.5007



55.4634, 0.1783, 0.1924



55.4634, 0.2879, 0.2097

Sweetspot

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



55.4661, 0.4506, 0.4624



87.6239, 0.3523, 0.3756



20.7570, 0.5324, 0.2916



18.3961, 0.3587, 0.3827



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.



55.4661, 0.4506, 0.4624



60.5119, 0.4681, 0.4651



71.6137, 0.3780, 0.5223



16.9768, 0.3274, 0.3468



27.8541, 0.4693, 0.4656



2.3343, 0.4609, 0.4722

Inverse Universe

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



14.3373, 0.1738, 0.1232



11.3067, 0.1585, 0.0889



10.4284, 0.1856, 0.0929



15.1377, 0.2980, 0.3106



5.1087, 0.1576, 0.0872



0.5472, 0.1647, 0.1130

Previews

White Background



This preview shows how the Yxy color 55.4634, 0.4506, 0.4624 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 55.4634, 0.4506, 0.4624 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 55.4634, 0.4506, 0.4624

Background



This preview shows how black text looks on a background with the Yxy color 55.4634, 0.4506, 0.4624.



This preview shows how white text looks on a background with the Yxy color 55.4634, 0.4506, 0.4624.

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

55.4634, 0.4506, 0.4624

Protanopia

55.5181, 0.4312, 0.4757

Deuteranopia

55.5282, 0.4617, 0.4525



Tritanopia

55.4207, 0.3616, 0.3141

Trichromacy



Original Color

55.4634, 0.4506, 0.4624

Protanomaly

55.5663, 0.4383, 0.4711

Deuteranomaly

55.2264, 0.4579, 0.4560

Tritanomaly

54.7857, 0.4031, 0.3772

Monochromacy



Original Color

55.4634, 0.4506, 0.4624

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

51.2946, 0.3698, 0.3944

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.4634, 0.4506, 0.4624 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, 191, 46)` looks like.

```
.text, #text, p{  
    color:rgb(237, 191, 46)  
}
```

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, 191, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 191, 46) }
```

Border

The CSS property to change the border of an element to Yxy 55.4634, 0.4506, 0.4624 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, 191, 46) }
```

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

```
.border{ border-color:rgb(237, 191, 46) }
```

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

Here you see how a box with a 4 pixel rgb(237, 191, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 191, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 191, 46);  
box-shadow:4px 4px 4px 4px rgb(237, 191,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 55.4634, 0.4506, 0.4624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 191, 46) }
```

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

```
.background{ background-color: rgb(237,  
191, 46) }
```

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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