

Converting Colors

$Y_{xy}(55.4014, 0.4469, 0.4581)$

Have a look what the booklet for
Yxy(55.4014, 0.4469, 0.4581)
contains.

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Color

Yxy(55.3703, 0.4465, 0.4586)

Conversions

Conversions Part 1

Format	Color
Hex	ECBF37
RGB	236, 191, 55
RGB Percent	93%, 75%, 22%
CMY	0.0746, 0.2509, 0.7844
CMYK	0.00, 0.19, 0.77, 0.07
HSL	45°, 83%, 57%
HSV	45°, 77%, 93%
XYZ	53.9094, 55.3703, 11.4580
YIQ	188.9510, 70.4760, -32.7560

Conversions

Conversions Part 2

Format	Color
RYB	115, 236, 55
Decimal	15515447
CIELab	79.25, 3.31, 69.81
CIELCh	79, 69.886, 87.289
Yxy	55.3703, 0.4465, 0.4586
Android (android.graphics.Color)	4293705527 (0xFFECCBF37)
YUV	188.9510, -66.0378, 41.2620
Hunter-Lab	74.4112, -0.9001, 42.9582

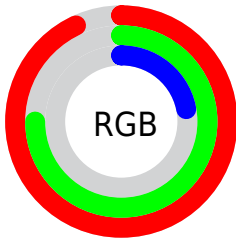
Details

The Yxy color **55.3703, 0.4465, 0.4586** is a light color, and the websafe version is hex **FFCC33**.

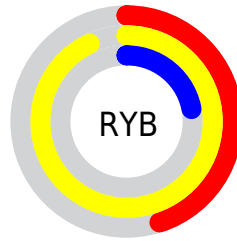
The color can be described as light washed orange. A complement of this color would be **15.9742, 0.1794, 0.1347**, and the grayscale version is **51.2144, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9514, 0.3975, 0.4566**, and **27.4071, 0.4633, 0.4704** is the 20% darker color. If you saturate the color by 10%, you get **52.6913, 0.4595, 0.4636**, and if you desaturate by 10%, it is **58.2651, 0.4308, 0.4489**.

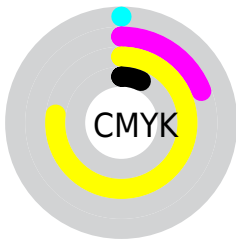
Distribution



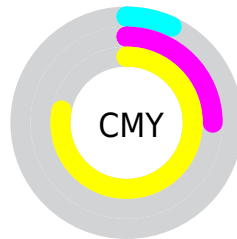
- Red (93%)
- Green (75%)
- Blue (22%)



- Red (45%)
- Yellow (93%)
- Blue (22%)



- Cyan (0%)
- Magenta (19%)
- Yellow (77%)
- Black (7%)



- Cyan (7%)
- Magenta (25%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.3703, 0.4465, 0.4586 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 55.3703, 0.4465, 0.4586 by changing the saturation by 10% instead.

■ 55.3703, 0.4465,
0.4586

■ 55.3703, 0.4465,
0.4586

407.3141, 0.3877,
0.4029

■ 39.6983, 0.4575,
0.4686

■ 98.0833, 0.4277,
0.4411

■ 27.3034, 0.4695,
0.4791

■ 125.8930, 0.4199,
0.4337

■ 17.8012, 0.4816,
0.4893

■ 158.5175, 0.4129,
0.4271

■ 10.8074, 0.4976,
0.5024

■ 196.3410, 0.4067,
0.4212

■ 5.9374, 0.4999,
0.5001

■ 239.7481, 0.4012,
0.4159

■ 2.8071, 0.5034,
0.4966

289.1230, 0.3962,

■ 1.0319, 0.5097,

0.4111

344.8502, 0.3918,
0.4068

0.4903

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

55.3703, 0.4465,
0.4586

55.3703, 0.4465,
0.4586

52.6913, 0.4595,
0.4636

58.2651, 0.4308,
0.4489


50.2017, 0.4694,
0.4638


61.3825, 0.4132,
0.4351


49.4129, 0.4723,
0.4632


64.7380, 0.3945,
0.4184


68.3429, 0.3756,
0.3998

 72.2076, 0.3571,
0.3802

 76.3416, 0.3394,
0.3606

 80.7541, 0.3230,
0.3414

 85.4532, 0.3079,
0.3231

 89.6242, 0.3012,
0.3178

Harmonies

Analogous

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



55.3703, 0.4900, 0.3959



55.3703, 0.4465, 0.4586



55.3703, 0.3712, 0.4983

Triad

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



55.3703, 0.4465, 0.4586



55.3703, 0.1689, 0.2907



55.3703, 0.3194, 0.2249

Complementary

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



55.3703, 0.4465, 0.4586



15.9742, 0.1794, 0.1347

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.



55.3703, 0.2362, 0.1984



55.3703, 0.4465, 0.4586



55.3703, 0.1603, 0.2253

Square

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



55.3703, 0.4465, 0.4586



55.3703, 0.2116, 0.3894



55.3703, 0.1827, 0.1969



55.3703, 0.4139, 0.2719

Rectangle

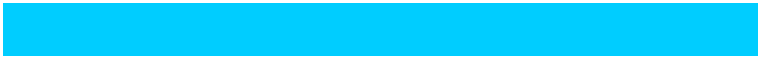
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.3703, 0.4465, 0.4586



55.3703, 0.3138, 0.4930



55.3703, 0.1827, 0.1969



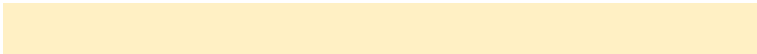
55.3703, 0.2890, 0.2135

Sweetspot

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



55.3730, 0.4465, 0.4586



87.8329, 0.3506, 0.3731



21.4864, 0.5171, 0.2904



18.4252, 0.3571, 0.3803



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.



55.3730, 0.4465, 0.4586



61.1105, 0.4655, 0.4643



71.3022, 0.3775, 0.5166



16.9561, 0.3274, 0.3466



27.4554, 0.4712, 0.4640



2.3059, 0.4625, 0.4710

Inverse Universe

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



15.9742, 0.1794, 0.1347



12.9210, 0.1624, 0.0994



11.5091, 0.1916, 0.1012



15.1570, 0.2980, 0.3108



5.2142, 0.1580, 0.0887



0.5579, 0.1652, 0.1148

Previews

White Background



This preview shows how the Yxy color 55.3703, 0.4465, 0.4586 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 55.3703, 0.4465, 0.4586 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 55.3703, 0.4465, 0.4586

Background



This preview shows how black text looks on a background with the Yxy color 55.3703, 0.4465, 0.4586.



This preview shows how white text looks on a background with the Yxy color 55.3703, 0.4465, 0.4586.

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

55.3703, 0.4465, 0.4586

Protanopia

55.4436, 0.4271, 0.4715

Deuteranopia

55.6102, 0.4583, 0.4482



Tritanopia

55.0590, 0.3599, 0.3140

Trichromacy



Original Color

55.3703, 0.4465, 0.4586

Protanomaly

55.4845, 0.4343, 0.4670

Deuteranomaly

55.3066, 0.4546, 0.4517

Tritanomaly

54.6972, 0.3997, 0.3741

Monochromacy



Original Color

55.3703, 0.4465, 0.4586

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

51.8422, 0.3662, 0.3907

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.3703, 0.4465, 0.4586 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, 191, 55)` looks like.

```
.text, #text, p{  
    color:rgb(236, 191, 55)  
}
```

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, 191, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 191, 55) }
```

Border

The CSS property to change the border of an element to Yxy 55.3703, 0.4465, 0.4586 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, 191, 55) }
```

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

```
.border{ border-color:rgb(236, 191, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 191, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 191, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 191, 55);  
box-shadow:4px 4px 4px 4px rgb(236, 191,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 55.3703, 0.4465, 0.4586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 191, 55) }
```

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

```
.background{ background-color: rgb(236,  
191, 55) }
```

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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