

Converting Colors

Yxy(55.2408, 0.4710, 0.4432)

Have a look what the booklet for
Yxy(55.2408, 0.4710, 0.4432)
contains.

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Color

Yxy(55.3660, 0.4707, 0.4434)

Conversions

Conversions Part 1

Format	Color
Hex	FFB733
RGB	255, 183, 51
RGB Percent	100%, 72%, 20%
CMY	0.0000, 0.2823, 0.7998
CMYK	0.00, 0.28, 0.80, 0.00
HSL	39°, 100%, 60%
HSV	39°, 80%, 100%
XYZ	58.7749, 55.3660, 10.7261
YIQ	189.4800, 85.2840, -25.7880

Conversions

Conversions Part 2

Format	Color
RYB	162, 255, 51
Decimal	16758579
CIELab	79.25, 15.41, 71.86
CIElCh	79, 73.493, 77.895
Yxy	55.3660, 0.4707, 0.4434
Android (android.graphics.Color)	4294948659 (0xFFFFB733)
YUV	189.4800, -68.2706, 57.4610
Hunter-Lab	74.4083, 10.7819, 43.5391

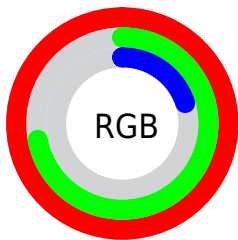
Details

The Yxy color **55.3660, 0.4707, 0.4434** 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 **22.1031, 0.1814, 0.1513**, and the grayscale version is **51.5439, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0757, 0.4036, 0.4536**, and **27.3027, 0.4917, 0.4478** is the 20% darker color. If you saturate the color by 10%, you get **51.6043, 0.4872, 0.4445**, and if you desaturate by 10%, it is **59.4901, 0.4513, 0.4371**.

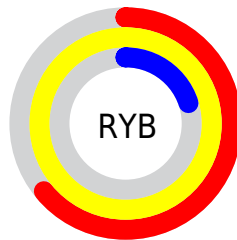
Distribution



Red (100%)

Green (72%)

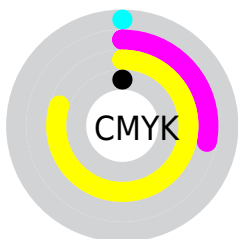
Blue (20%)



Red (64%)

Yellow (100%)

Blue (20%)

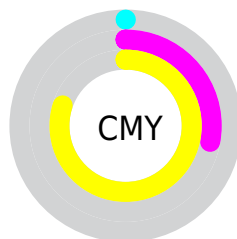


Cyan (0%)

Magenta (28%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (28%)

Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.3660, 0.4707, 0.4434 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 55.3660, 0.4707, 0.4434 by changing the saturation by 10% instead.

 55.3660, 0.4707,
0.4434

 55.3660, 0.4707,
0.4434


407.2978, 0.4005,
0.3979


 39.6948, 0.4842,
0.4503


 98.0770, 0.4481,
0.4301


 27.3007, 0.4990,
0.4568


 125.8856, 0.4387,
0.4241

 17.7992, 0.5148,
0.4615


 158.5088, 0.4303,
0.4187

 10.8059, 0.5343,
0.4657

 196.3311, 0.4230,
0.4137

 5.9365, 0.5442,
0.4558

 239.7367, 0.4164,
0.4092

 2.8065, 0.5595,
0.4405

289.1101, 0.4105,

 1.0316, 0.5858,

0.4051

0.4142

344.8357, 0.4052,
0.4013

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.3660, 0.4707,
0.4434

■ 55.3660, 0.4707,
0.4434

■ 51.6043, 0.4872,
0.4445

■ 59.4901, 0.4513,
0.4371

■ 48.1692, 0.5005,
0.4408

■ 63.9960, 0.4300,
0.4265

■ 48.1628, 0.5005,
0.4408

■ 68.9034, 0.4080,
0.4125

■ 74.2294, 0.3863,
0.3965

■ 79.9895, 0.3656,
0.3794

■ 86.1982, 0.3462,
0.3621

■ 92.8688, 0.3286,
0.3451

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



55.3660, 0.5020, 0.3759



55.3660, 0.4707, 0.4434



55.3660, 0.3994, 0.4980

Triad

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



55.3660, 0.4707, 0.4434



55.3660, 0.1726, 0.3179



55.3660, 0.2894, 0.2095

Complementary

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



55.3660, 0.4707, 0.4434



22.1031, 0.1814, 0.1513

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.



55.3660, 0.2117, 0.1897



55.3660, 0.4707, 0.4434



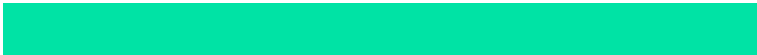
55.3660, 0.1534, 0.2369

Square

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



55.3660, 0.4707, 0.4434



55.3660, 0.2277, 0.4267



55.3660, 0.1667, 0.1968



55.3660, 0.3887, 0.2521

Rectangle

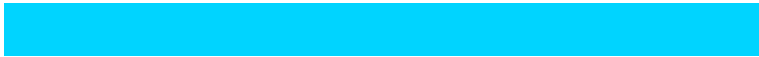
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.3660, 0.4707, 0.4434



55.3660, 0.3411, 0.5089



55.3660, 0.1667, 0.1968



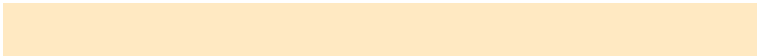
55.3660, 0.2601, 0.2001

Sweetspot

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



55.3668, 0.4707, 0.4434



83.6478, 0.3538, 0.3690



25.1340, 0.4944, 0.2691



17.4334, 0.3607, 0.3752



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.



55.3668, 0.4707, 0.4434



49.5023, 0.4954, 0.4426



88.2218, 0.3946, 0.5097



19.9482, 0.3278, 0.3443



25.4576, 0.4988, 0.4421



2.6845, 0.4874, 0.4512

Inverse Universe

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



22.1031, 0.1814, 0.1513



15.7651, 0.1665, 0.1171



11.2220, 0.1733, 0.0868



18.4268, 0.2979, 0.3132



7.8485, 0.1646, 0.1127



0.9606, 0.1709, 0.1351

Previews

White Background



This preview shows how the Yxy color 55.3660, 0.4707, 0.4434 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 55.3660, 0.4707, 0.4434 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 55.3660, 0.4707, 0.4434

Background



This preview shows how black text looks on a background with the Yxy color 55.3660, 0.4707, 0.4434.



This preview shows how white text looks on a background with the Yxy color 55.3660, 0.4707, 0.4434.

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

55.3660, 0.4707, 0.4434

Protanopia

55.5805, 0.4287, 0.4721

Deuteranopia

55.5366, 0.4614, 0.4520



Tritanopia

55.4651, 0.3747, 0.3177

Trichromacy



Original Color

55.3660, 0.4707, 0.4434

Protanomaly

55.2893, 0.4435, 0.4616

Deuteranomaly

55.6721, 0.4643, 0.4491

Tritanomaly

54.9069, 0.4179, 0.3720

Monochromacy



Original Color

55.3660, 0.4707, 0.4434

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

51.5509, 0.3745, 0.3871

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.3660, 0.4707, 0.4434 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(255, 183, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 183, 51)  
}
```

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(255, 183, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 183, 51) }
```

Border

The CSS property to change the border of an element to Yxy 55.3660, 0.4707, 0.4434 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(255, 183, 51) }
```

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

```
.border{ border-color:rgb(255, 183, 51) }
```

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

Here you see how a box with a 4 pixel rgb(255, 183, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 183, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 183, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 183,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 55.3660, 0.4707, 0.4434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 183, 51) }
```

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

```
.background{ background-color: rgb(255,  
183, 51) }
```

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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