

Converting Colors

$Y_{xy}(55.2303, 0.4810, 0.4563)$

Have a look what the booklet for
Yxy(55.2303, 0.4810, 0.4563)
contains.

Yxy(55.1270, 0.4813, 0.4561)	3
Conversions	4
Details	6
Harmonies	12
Previews	22
Color Blindness Simulation	25
CSS Examples	28

Color

Yxy(55.1270, 0.4813, 0.4561)

Conversions

Conversions Part 1

Format	Color
Hex	FFB700
RGB	255, 183, 0
RGB Percent	100%, 72%, 0%
CMY	0.0000, 0.2823, 1.0000
CMYK	0.00, 0.28, 1.00, 0.00
HSL	43°, 100%, 50%
HSV	43°, 100%, 100%
XYZ	58.1728, 55.1270, 7.5662
YIQ	183.6660, 101.6550, -41.6490

Conversions

Conversions Part 2

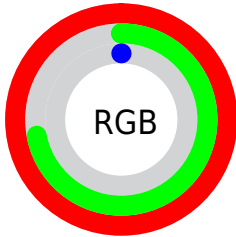
Format	Color
R_{YB}	100, 255, 0
Decimal	16758528
CIE _{Lab}	79.11, 14.54, 81.77
CIE _{LCh}	79, 83.049, 79.914
Yxy	55.1270, 0.4813, 0.4561
Android (android.graphics.Color)	4294948608 (0xFFFFB700)
YUV	183.6660, -90.5473, 62.5599
Hunter-Lab	74.2476, 9.9212, 45.9313

Details

The Yxy color **55.1270, 0.4813, 0.4561** is a dark color, and the websafe version is hex **FFCC00**. The color can be described as middle saturated orange. A complement of this color would be **11.8537, 0.1591, 0.0926**, and the grayscale version is **48.2081, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6175, 0.4145, 0.4705**, and **27.1717, 0.4907, 0.4486** is the 20% darker color. If you saturate the color by 10%, you get **55.1301, 0.4813, 0.4561**, and if you desaturate by 10%, it is **58.2490, 0.4709, 0.4581**.

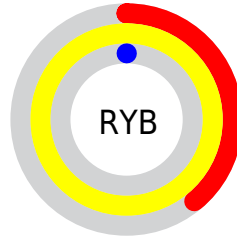
Distribution



Red (100%)

Green (72%)

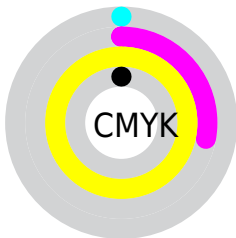
Blue (0%)



Red (39%)

Yellow (100%)

Blue (0%)

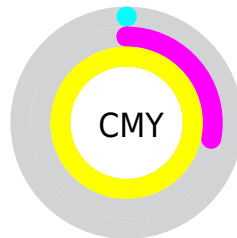


Cyan (0%)

Magenta (28%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (28%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.1270, 0.4813, 0.4561 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 55.1270, 0.4813, 0.4561 by changing the saturation by 10% instead.


 55.1270, 0.4813,
0.4561

 55.1270, 0.4813,
0.4561


406.3932, 0.4093,
0.4079

 39.5034, 0.4939,
0.4624

 97.7270, 0.4591,
0.4429

 27.1516, 0.5070,
0.4675


 125.4722, 0.4495,
0.4367


 17.6871, 0.5223,
0.4722


 158.0267, 0.4409,
0.4308

 10.7256, 0.5318,
0.4682

 195.7750, 0.4332,
0.4254

 5.8826, 0.5413,
0.4587

 239.1014, 0.4263,
0.4205

 2.7738, 0.5559,
0.4441

 288.3903, 0.4201,

 1.0148, 0.5811,

0.4159

0.4189

344.0261, 0.4144,
0.4118

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.1270, 0.4813,
0.4561

■ 55.1270, 0.4813,
0.4561

■ 55.1301, 0.4813,
0.4561

■ 58.2490, 0.4709,
0.4581

■ 61.6162, 0.4576,
0.4555

■ 65.2629, 0.4413,
0.4479

■ 69.2086, 0.4229,
0.4360

■ 73.4704, 0.4034,
0.4207

■ 78.0631, 0.3835,
0.4032

■ 83.0003, 0.3641,
0.3845

■ 88.2946, 0.3456,
0.3655

■ 93.9575, 0.3284,
0.3469

Harmonies

Analogous

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



55.1270, 0.5234, 0.3812



55.1270, 0.4813, 0.4561



55.1270, 0.3987, 0.5199

Triad

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



55.1270, 0.4813, 0.4561



55.1270, 0.1547, 0.3068



55.1270, 0.2927, 0.1999

Complementary

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



55.1270, 0.4813, 0.4561



11.8537, 0.1591, 0.0926

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.



55.1270, 0.2050, 0.1766



55.1270, 0.4813, 0.4561



55.1270, 0.1379, 0.2206

Square

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



55.1270, 0.4813, 0.4561



55.1270, 0.2110, 0.4326



55.1270, 0.1546, 0.1812



55.1270, 0.4055, 0.2472

Rectangle

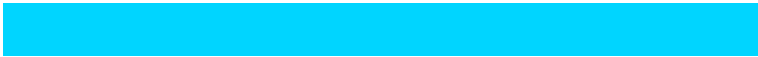
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.1270, 0.4813, 0.4561



55.1270, 0.3338, 0.5333



55.1270, 0.1546, 0.1812



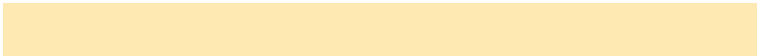
55.1270, 0.2594, 0.1892

Sweetspot

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



55.1301, 0.4813, 0.4561



83.0003, 0.3641, 0.3845



21.7311, 0.5868, 0.3006



17.3108, 0.3722, 0.3925



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.



55.1301, 0.4813, 0.4561



83.7650, 0.3807, 0.5359



20.1729, 0.3276, 0.3460



29.0729, 0.4800, 0.4571



3.0163, 0.4714, 0.4639

Inverse Universe

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



11.8537, 0.1591, 0.0926



8.0393, 0.1599, 0.0655



18.2127, 0.2979, 0.3114



6.4104, 0.1598, 0.0953



0.7999, 0.1658, 0.1169

Previews

White Background



This preview shows how the Yxy color 55.1270, 0.4813, 0.4561 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 55.1270, 0.4813, 0.4561 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 55.1270, 0.4813, 0.4561

Background



This preview shows how black text looks on a background with the Yxy color 55.1270, 0.4813, 0.4561.



This preview shows how white text looks on a background with the Yxy color 55.1270, 0.4813, 0.4561.

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

55.1270, 0.4813, 0.4561

Protanopia

55.3391, 0.4386, 0.4866

Deuteranopia

55.0743, 0.4728, 0.4628



Tritanopia

55.0349, 0.3759, 0.3176

Trichromacy



Original Color

55.1270, 0.4813, 0.4561

Protanomaly

55.0448, 0.4538, 0.4758

Deuteranomaly

55.2072, 0.4762, 0.4601

Tritanomaly

54.0123, 0.4345, 0.3896

Monochromacy



Original Color

55.1270, 0.4813, 0.4561

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

49.2670, 0.3909, 0.4103

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.1270, 0.4813, 0.4561 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 183, 0)  
}
```

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, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 183, 0) }
```

Border

The CSS property to change the border of an element to Yxy 55.1270, 0.4813, 0.4561 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, 0) }
```

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

```
.border{ border-color:rgb(255, 183, 0) }
```

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, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 183, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 183, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 183,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 55.1270, 0.4813, 0.4561 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, 0) }
```

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

```
.background{ background-color: rgb(255,  
183, 0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor