

Converting Colors

$Y_{xy}(50.6291, 0.4822, 0.4329)$

Have a look what the booklet for
Yxy(50.6291, 0.4822, 0.4329)
contains.

Yxy(50.6248, 0.4822, 0.4329)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.6248, 0.4822, 0.4329)

Conversions

Conversions Part 1

Format	Color
Hex	FFAB33
RGB	255, 171, 51
RGB Percent	100%, 67%, 20%
CMY	0.0001, 0.3293, 0.8001
CMYK	0.00, 0.33, 0.80, 0.00
HSL	35°, 100%, 60%
HSV	35°, 80%, 100%
XYZ	56.3901, 50.6248, 9.9285
YIQ	182.4360, 88.5840, -19.5120

Conversions

Conversions Part 2

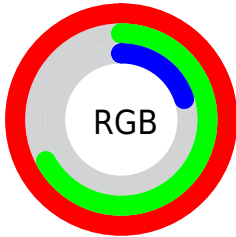
Format	Color
RYB	194, 255, 51
Decimal	16755507
CIELab	76.45, 21.64, 69.38
CIELCh	76, 72.676, 72.676
Yxy	50.6248, 0.4822, 0.4329
Android (android.graphics.Color)	4294945587 (0xFFFFAB33)
YUV	182.4360, -64.7979, 63.6386
Hunter-Lab	71.1511, 16.9540, 41.5324

Details

The Yxy color **50.6248, 0.4822, 0.4329** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **25.2254, 0.1855, 0.1668**, and the grayscale version is **47.3542, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7142, 0.4115, 0.4440**, and **24.5311, 0.5074, 0.4353** is the 20% darker color. If you saturate the color by 10%, you get **46.6526, 0.5015, 0.4327**, and if you desaturate by 10%, it is **55.0399, 0.4600, 0.4278**.

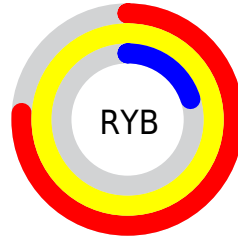
Distribution



Red (100%)

Green (67%)

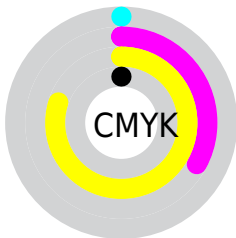
Blue (20%)



Red (76%)

Yellow (100%)

Blue (20%)

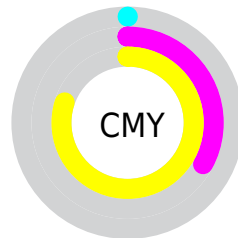


Cyan (0%)

Magenta (33%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (33%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.6248, 0.4822, 0.4329 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 50.6248, 0.4822, 0.4329 by changing the saturation by 10% instead.


 50.6248, 0.4822,
0.4329

 50.6248, 0.4822,
0.4329

389.1043, 0.4049,
0.3927

 35.9101, 0.4975,
0.4384


 91.0999, 0.4568,
0.4216


 24.3648, 0.5147,
0.4429


 117.6291, 0.4464,
0.4164


 15.6044, 0.5335,
0.4451


 148.8653, 0.4373,
0.4115

 9.2447, 0.5556,
0.4444

 185.1928, 0.4292,
0.4070

 4.9011, 0.5707,
0.4293

 226.9961, 0.4221,
0.4030

 2.1894, 0.5941,
0.4059

 274.6595, 0.4157,

 0.7142, 0.6387,

0.3992

0.3613

328.5674, 0.4100,
0.3958

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

50.6248, 0.4822,
0.4329

50.6248, 0.4822,
0.4329

46.6526, 0.5015,
0.4327


55.0399, 0.4600,
0.4278

43.0812, 0.5173,
0.4274


59.9148, 0.4362,
0.4183

65.2737, 0.4121,
0.4056

71.1360, 0.3888,
0.3908

 77.5197, 0.3669,
0.3751

 84.4416, 0.3468,
0.3592

 91.9176, 0.3288,
0.3437

99.9625, 0.3127,
0.3290

99.9930, 0.3127,
0.3290

Harmonies

Analogous

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



50.6248, 0.5050, 0.3642



50.6248, 0.4822, 0.4329



50.6248, 0.4148, 0.4933

Triad

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



50.6248, 0.4822, 0.4329



50.6248, 0.1773, 0.3359



50.6248, 0.2729, 0.2024

Complementary

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



50.6248, 0.4822, 0.4329



25.2254, 0.1855, 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.



50.6248, 0.1997, 0.1868



50.6248, 0.4822, 0.4329



50.6248, 0.1520, 0.2463

Square

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



50.6248, 0.4822, 0.4329



50.6248, 0.2392, 0.4468



50.6248, 0.1600, 0.1991



50.6248, 0.3722, 0.2419

Rectangle

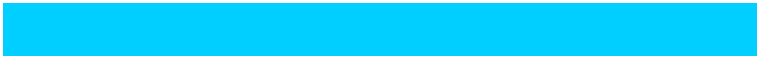
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.6248, 0.4822, 0.4329



50.6248, 0.3569, 0.5125



50.6248, 0.1600, 0.1991



50.6248, 0.2449, 0.1944

Sweetspot

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



50.6274, 0.4822, 0.4329



81.6378, 0.3546, 0.3655



25.3956, 0.4783, 0.2592



16.9491, 0.3618, 0.3712



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.



50.6274, 0.4822, 0.4329



44.4820, 0.5112, 0.4299



89.9062, 0.4017, 0.5045



19.7640, 0.3279, 0.3430



22.8195, 0.5153, 0.4291



2.4372, 0.5013, 0.4401

Inverse Universe

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



25.2254, 0.1855, 0.1668



18.6400, 0.1711, 0.1337



10.8116, 0.1689, 0.0845



18.6054, 0.2979, 0.3146



9.3210, 0.1692, 0.1292



1.1165, 0.1754, 0.1515

Previews

White Background



This preview shows how the Yxy color 50.6248, 0.4822, 0.4329 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 50.6248, 0.4822, 0.4329 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 50.6248, 0.4822, 0.4329

Background



This preview shows how black text looks on a background with the Yxy color 50.6248, 0.4822, 0.4329.



This preview shows how white text looks on a background with the Yxy color 50.6248, 0.4822, 0.4329.

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

50.6248, 0.4822, 0.4329

Protanopia

50.6778, 0.4272, 0.4700

Deuteranopia

50.6226, 0.4623, 0.4510



Tritanopia

50.5104, 0.3898, 0.3176

Trichromacy



Original Color

50.6248, 0.4822, 0.4329

Protanomaly

50.2162, 0.4482, 0.4557

Deuteranomaly

50.4972, 0.4698, 0.4445

Tritanomaly

50.1174, 0.4317, 0.3677

Monochromacy



Original Color

50.6248, 0.4822, 0.4329

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.1173, 0.3787, 0.3836

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.6248, 0.4822, 0.4329 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, 171, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 171, 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, 171, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 171, 51) }
```

Border

The CSS property to change the border of an element to Yxy 50.6248, 0.4822, 0.4329 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, 171, 51) }
```

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

```
.border{ border-color:rgb(255, 171, 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, 171, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 171, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 171, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 171,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 50.6248, 0.4822, 0.4329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 171, 51) }
```

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

```
.background{ background-color: rgb(255,  
171, 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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