

Converting Colors

Yxy(43.6401, 0.5024, 0.4144)

Have a look what the booklet for
Yxy(43.6401, 0.5024, 0.4144)
contains.

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Color

Yxy(43.6322, 0.5024, 0.4144)

Conversions

Conversions Part 1

Format	Color
Hex	FF9733
RGB	255, 151, 51
RGB Percent	100%, 59%, 20%
CMY	0.0001, 0.4078, 0.8002
CMYK	0.00, 0.41, 0.80, 0.00
HSL	29°, 100%, 60%
HSV	29°, 80%, 100%
XYZ	52.8977, 43.6322, 8.7601
YIQ	170.6960, 94.0840, -9.0520

Conversions

Conversions Part 2

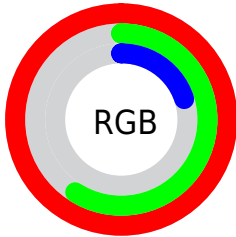
Format	Color
R _Y B	255, 247, 51
Decimal	16750387
CIE Lab	71.98, 32.05, 65.35
CIE LCh	72, 72.787, 63.879
Yxy	43.6322, 0.5024, 0.4144
Android (android.graphics.Color)	4294940467 (0xFFFF9733)
YUV	170.6960, -59.0101, 73.9346
Hunter-Lab	66.0547, 27.3502, 38.3753

Details

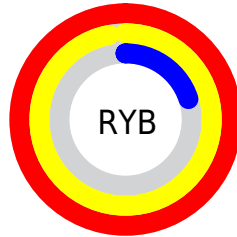
The Yxy color **43.6322, 0.5024, 0.4144** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **31.3348, 0.1927, 0.1941**, and the grayscale version is **40.8302, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.4225, 0.4249, 0.4285**, and **20.1301, 0.5365, 0.4122** is the 20% darker color. If you saturate the color by 10%, you get **39.5133, 0.5265, 0.4119**, and if you desaturate by 10%, it is **48.3396, 0.4752, 0.4115**.

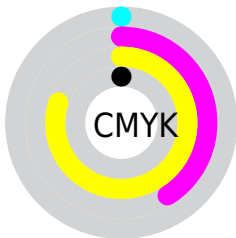
Distribution



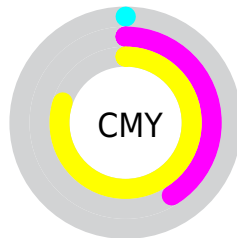
- Red (100%)
- Green (59%)
- Blue (20%)



- Red (100%)
- Yellow (97%)
- Blue (20%)



- Cyan (0%)
- Magenta (41%)
- Yellow (80%)
- Black (0%)





- Cyan (0%)
- Magenta (41%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.6322, 0.5024, 0.4144 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 43.6322, 0.5024, 0.4144 by changing the saturation by 10% instead.


 43.6322, 0.5024,
0.4144

 43.6322, 0.5024,
0.4144


361.2053, 0.4125,
0.3838


 30.3815, 0.5211,
0.4172


 80.6640, 0.4721,
0.4068

 20.1283, 0.5425,
0.4181


 105.2139, 0.4600,
0.4029


 12.4883, 0.5677,
0.4159


 134.2989, 0.4494,
0.3991

 7.0772, 0.5942,
0.4058

 168.3035, 0.4401,
0.3956

 3.5104, 0.6190,
0.3810

 207.6120, 0.4319,
0.3923

 1.4037, 0.6584,
0.3416

 252.6089, 0.4247,

 0.2194, 0.8200,

0.3892

0.1800

303.6785, 0.4182,
0.3864

■ 0.0000, 0.0000,
0.0000

■ 43.6322, 0.5024,
0.4144

■ 43.6322, 0.5024,
0.4144

■ 39.5133, 0.5265,
0.4119

■ 48.3396, 0.4752,
0.4115

■ 35.9378, 0.5465,
0.4043

■ 53.6606, 0.4469,
0.4041

■ 59.6257, 0.4191,
0.3935

■ 66.2609, 0.3929,
0.3810

■ 73.5904, 0.3691,
0.3677

81.6368, 0.3478,
0.3543

90.4215, 0.3291,
0.3413

99.9650, 0.3127,
0.3290

99.9960, 0.3127,
0.3290

Harmonies

Analogous

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



43.6322, 0.5091, 0.3438



43.6322, 0.5024, 0.4144



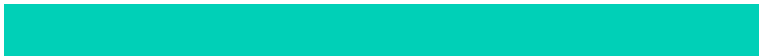
43.6322, 0.4419, 0.4835

Triad

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



43.6322, 0.5024, 0.4144



43.6322, 0.1860, 0.3703



43.6322, 0.2448, 0.1899

Complementary

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



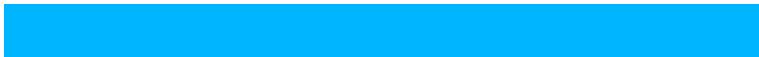
43.6322, 0.5024, 0.4144



31.3348, 0.1927, 0.1941

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.



43.6322, 0.1793, 0.1815



43.6322, 0.5024, 0.4144



43.6322, 0.1493, 0.2644

Square

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



43.6322, 0.5024, 0.4144



43.6322, 0.2599, 0.4823



43.6322, 0.1483, 0.2033



43.6322, 0.3429, 0.2239

Rectangle

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



43.6322, 0.5024, 0.4144



43.6322, 0.3847, 0.5159



43.6322, 0.1483, 0.2033



43.6322, 0.2190, 0.1841

Sweetspot

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



43.6345, 0.5024, 0.4144



78.3587, 0.3560, 0.3596



26.0324, 0.4462, 0.2398



16.1625, 0.3636, 0.3644



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.



43.6345, 0.5024, 0.4144



37.3183, 0.5388, 0.4077



90.8509, 0.4158, 0.4938



19.4581, 0.3282, 0.3407



19.0789, 0.5439, 0.4064



2.0756, 0.5259, 0.4206

Inverse Universe

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



31.3348, 0.1927, 0.1941



24.5956, 0.1796, 0.1647



10.5927, 0.1635, 0.0835



18.9080, 0.2979, 0.3170



12.4052, 0.1779, 0.1606



1.4266, 0.1836, 0.1809

Previews

White Background



This preview shows how the Yxy color 43.6322, 0.5024, 0.4144 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 43.6322, 0.5024, 0.4144 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 43.6322, 0.5024, 0.4144

Background



This preview shows how black text looks on a background with the Yxy color 43.6322, 0.5024, 0.4144.



This preview shows how white text looks on a background with the Yxy color 43.6322, 0.5024, 0.4144.

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

43.6322, 0.5024, 0.4144

Protanopia

43.7555, 0.4237, 0.4661

Deuteranopia

43.7167, 0.4607, 0.4518



Tritanopia

43.5396, 0.4178, 0.3188

Trichromacy



Original Color

43.6322, 0.5024, 0.4144

Protanomaly

43.3412, 0.4530, 0.4472

Deuteranomaly

43.5383, 0.4760, 0.4376

Tritanomaly

43.4118, 0.4550, 0.3599

Monochromacy



Original Color

43.6322, 0.5024, 0.4144

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.6398, 0.3845, 0.3769

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.6322, 0.5024, 0.4144 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, 151, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 151, 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, 151, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 151, 51) }
```

Border

The CSS property to change the border of an element to Yxy 43.6322, 0.5024, 0.4144 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, 151, 51) }
```

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

```
.border{ border-color:rgb(255, 151, 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, 151, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 151, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 151, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 151,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 43.6322, 0.5024, 0.4144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 151, 51) }
```

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

```
.background{ background-color: rgb(255,  
151, 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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