

Converting Colors

$Y_{xy}(40.7169, 0.5246, 0.4188)$

Have a look what the booklet for
Yxy(40.7169, 0.5246, 0.4188)
contains.

Yxy(40.6325, 0.5249, 0.4184)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	29

Color

Yxy(40.6325, 0.5249, 0.4184)

Conversions

Conversions Part 1

Format	Color
Hex	FF8E0C
RGB	255, 142, 12
RGB Percent	100%, 56%, 5%
CMY	0.0001, 0.4431, 0.9526
CMYK	0.00, 0.44, 0.95, 0.00
HSL	32°, 100%, 52%
HSV	32°, 95%, 100%
XYZ	50.9751, 40.6325, 5.5064
YIQ	160.9670, 109.0780, -16.4740

Conversions

Conversions Part 2

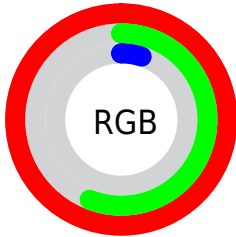
Format	Color
R_{YB}	223, 255, 12
Decimal	16748044
CIE _{Lab}	69.92, 35.90, 74.17
CIE _{LCh}	70, 82.405, 64.173
Yxy	40.6325, 0.5249, 0.4184
Android (android.graphics.Color)	4294938124 (0xFFFF8E0C)
YUV	160.9670, -73.4407, 82.4669
Hunter-Lab	63.7436, 31.1933, 39.4989

Details

The Yxy color **40.6325, 0.5249, 0.4184** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark saturated orange. A complement of this color would be **21.9773, 0.1761, 0.1516**, and the grayscale version is **35.9410, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.7570, 0.4460, 0.4399**, and **18.3887, 0.5495, 0.4019** is the 20% darker color. If you saturate the color by 10%, you get **38.9772, 0.5332, 0.4149**, and if you desaturate by 10%, it is **44.4643, 0.5051, 0.4228**.

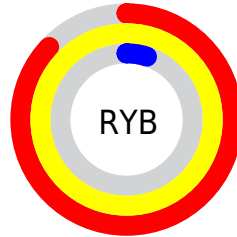
Distribution



Red (100%)

Green (56%)

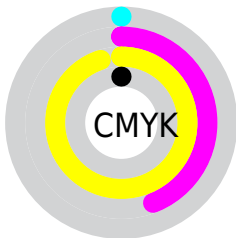
Blue (5%)



Red (87%)

Yellow (100%)

Blue (5%)

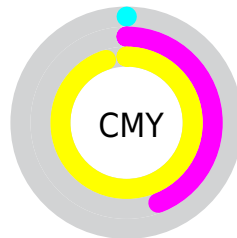


Cyan (0%)

Magenta (44%)

Yellow (95%)

Black (0%)



Cyan (0%)

Magenta (44%)

Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6325, 0.5249, 0.4184 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 40.6325, 0.5249, 0.4184 by changing the saturation by 10% instead.


 40.6325, 0.5249,
0.4184


 40.6325, 0.5249,
0.4184


348.7823, 0.4263,
0.3904

 28.0320, 0.5440,
0.4189


 76.1257, 0.4927,
0.4131


 18.3498, 0.5651,
0.4161


 99.7872, 0.4794,
0.4096

 11.2014, 0.5904,
0.4096


 127.9046, 0.4677,
0.4061

 6.2025, 0.6105,
0.3895

 160.8621, 0.4574,
0.4026

 2.9686, 0.6399,
0.3601

 199.0443, 0.4483,
0.3993


 1.1154, 0.6868,
0.3132

 242.8354, 0.4401,


 0.0000, 1.0000,

0.3961

0.0000


 292.6200, 0.4328,
0.3932

 0.0000, 0.0000,
0.0000

 40.6325, 0.5249,
0.4184


 40.6325, 0.5249,
0.4184

 38.9772, 0.5332,
0.4149

 44.4643, 0.5051,
0.4228

 48.7925, 0.4816,
0.4217

 53.6500, 0.4558,
0.4155

 59.0631, 0.4295,
0.4054

 65.0556, 0.4039,
0.3928

71.6493, 0.3799,
0.3787

78.8644, 0.3580,
0.3642

86.7202, 0.3383,
0.3498

95.2347, 0.3210,
0.3360

Harmonies

Analogous

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



40.6325, 0.5382, 0.3411



40.6325, 0.5249, 0.4184



40.6325, 0.4523, 0.4997

Triad

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



40.6325, 0.5249, 0.4184



40.6325, 0.1674, 0.3739



40.6325, 0.2356, 0.1741

Complementary

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



40.6325, 0.5249, 0.4184



21.9773, 0.1761, 0.1516

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.



40.6325, 0.1638, 0.1642



40.6325, 0.5249, 0.4184



40.6325, 0.1298, 0.2514

Square

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



40.6325, 0.5249, 0.4184



40.6325, 0.2481, 0.5103



40.6325, 0.1301, 0.1859



40.6325, 0.3474, 0.2114

Rectangle

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



40.6325, 0.5249, 0.4184



40.6325, 0.3871, 0.5424



40.6325, 0.1301, 0.1859



40.6325, 0.2070, 0.1676

Sweetspot

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



40.6347, 0.5249, 0.4184



76.1044, 0.3659, 0.3696



23.0135, 0.5026, 0.2565



15.6357, 0.3753, 0.3758



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.



40.6347, 0.5249, 0.4184



38.9832, 0.5332, 0.4149



91.2889, 0.4130, 0.5086



19.5964, 0.3281, 0.3417



20.6717, 0.5308, 0.4167



2.2315, 0.5146, 0.4296

Inverse Universe

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



21.9773, 0.1761, 0.1516



20.3170, 0.1730, 0.1429



7.6345, 0.1524, 0.0630



18.7703, 0.2979, 0.3159



10.9082, 0.1739, 0.1459



1.2782, 0.1798, 0.1673

Previews

White Background



This preview shows how the Yxy color 40.6325, 0.5249, 0.4184 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 40.6325, 0.5249, 0.4184 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 40.6325, 0.5249, 0.4184

Background



This preview shows how black text looks on a background with the Yxy color 40.6325, 0.5249, 0.4184.



This preview shows how white text looks on a background with the Yxy color 40.6325, 0.5249, 0.4184.

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

40.6325, 0.5249, 0.4184

Protanopia

40.9085, 0.4361, 0.4834

Tritanopia

40.6016, 0.4330, 0.3200

Trichromacy



Original Color

40.6325, 0.5249, 0.4184

Protanomaly

40.1392, 0.4704, 0.4584

Tritanomaly

40.2815, 0.4820, 0.3702

Monochromacy



Original Color

40.6325, 0.5249, 0.4184

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

35.7748, 0.4018, 0.3915

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6325, 0.5249, 0.4184 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, 142, 12)` looks like.

```
.text, #text, p{  
    color:rgb(255, 142, 12)  
}
```

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, 142, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 142, 12) }
```

Border

The CSS property to change the border of an element to Yxy 40.6325, 0.5249, 0.4184 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, 142, 12) }
```

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

```
.border{ border-color:rgb(255, 142, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 142, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 142, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 142, 12);  
box-shadow:4px 4px 4px 4px rgb(255, 142,  
12) }
```

Background

The CSS property to change the background color of an element to Yxy 40.6325, 0.5249, 0.4184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 142, 12) }
```

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

```
.background{ background-color: rgb(255,  
142, 12) }
```

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