

Converting Colors

$Y_{xy}(35.7664, 0.5453, 0.4017)$

Have a look what the booklet for
Yxy(35.7664, 0.5453, 0.4017)
contains.

Yxy(35.7044, 0.5455, 0.4014)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.7044, 0.5455, 0.4014)

Conversions

Conversions Part 1

Format	Color
Hex	FF7C0D
RGB	255, 124, 13
RGB Percent	100%, 49%, 5%
CMY	0.0000, 0.5137, 0.9480
CMYK	0.00, 0.51, 0.95, 0.00
HSL	27°, 100%, 53%
HSV	27°, 95%, 100%
XYZ	48.5220, 35.7044, 4.7232
YIQ	150.5150, 113.7070, -6.7490

Conversions

Conversions Part 2

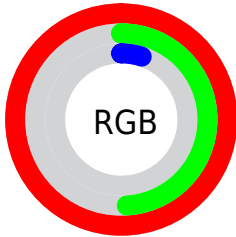
Format	Color
R _Y B	255, 218, 13
Decimal	16743437
CIE Lab	66.29, 44.90, 71.61
CIE LCh	66, 84.523, 57.914
Yxy	35.7044, 0.5455, 0.4014
Android (android.graphics.Color)	4294933517 (0xFFFF7C0D)
YUV	150.5150, -67.7949, 91.6333
Hunter-Lab	59.7532, 40.3814, 37.1406

Details

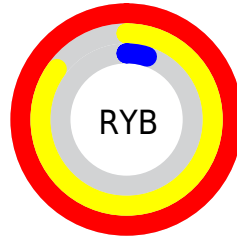
The Yxy color **35.7044, 0.5455, 0.4014** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **27.3281, 0.1834, 0.1775**, and the grayscale version is **31.0010, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.0360, 0.4619, 0.4252**, and **15.5819, 0.5758, 0.3810** is the 20% darker color. If you saturate the color by 10%, you get **33.9420, 0.5561, 0.3967**, and if you desaturate by 10%, it is **39.5308, 0.5220, 0.4073**.

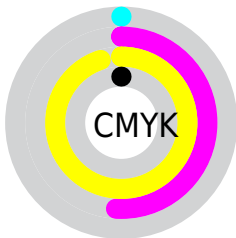
Distribution



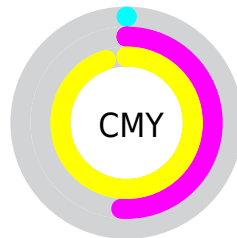
- Red (100%)
- Green (49%)
- Blue (5%)



- Red (100%)
- Yellow (85%)
- Blue (5%)



- Cyan (0%)
- Magenta (51%)
- Yellow (95%)
- Black (0%)




- Cyan (0%)
- Magenta (51%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.7044, 0.5455, 0.4014 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 35.7044, 0.5455, 0.4014 by changing the saturation by 10% instead.

 35.7044, 0.5455,
0.4014


 35.7044, 0.5455,
0.4014


327.6667, 0.4344,
0.3832


 24.2060, 0.5677,
0.3989


 68.5756, 0.5086,
0.4001

 15.4865, 0.5931,
0.3924


 90.7171, 0.4936,
0.3980


 9.1615, 0.6211,
0.3789


 117.1752, 0.4804,
0.3955

 4.8467, 0.6479,
0.3521

 148.3341, 0.4689,
0.3930

 2.1576, 0.6874,
0.3126

 184.5783, 0.4587,
0.3904

 0.6967, 0.7536,
0.2464

 226.2922, 0.4496,

 0.0000, 1.0000,

0.3879


0.0000


 273.8602, 0.4416,
0.3855

 0.0000, 0.0000,
0.0000


 35.7044, 0.5455,
0.4014


 35.7044, 0.5455,
0.4014


 33.9420, 0.5561,
0.3967


 39.5308, 0.5220,
0.4073

 43.9727, 0.4945,
0.4076


 49.0694, 0.4649,
0.4029

 54.8539, 0.4352,
0.3944

 61.3562, 0.4070,
0.3835

 68.6041, 0.3812,
0.3713

 76.6234, 0.3582,
0.3587

 85.4388, 0.3379,
0.3463

 95.0734, 0.3203,
0.3344

Harmonies

Analogous

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



35.7044, 0.5449, 0.3232



35.7044, 0.5455, 0.4014



35.7044, 0.4764, 0.4884

Triad

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



35.7044, 0.5455, 0.4014



35.7044, 0.1723, 0.4099



35.7044, 0.2113, 0.1619

Complementary

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



35.7044, 0.5455, 0.4014



27.3281, 0.1834, 0.1775

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.



35.7044, 0.1459, 0.1576



35.7044, 0.5455, 0.4014



35.7044, 0.1249, 0.2670

Square

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



35.7044, 0.5455, 0.4014



35.7044, 0.2639, 0.5462



35.7044, 0.1185, 0.1872



35.7044, 0.3214, 0.1948

Rectangle

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



35.7044, 0.5455, 0.4014



35.7044, 0.4100, 0.5420



35.7044, 0.1185, 0.1872



35.7044, 0.1847, 0.1572

Sweetspot

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



35.7062, 0.5455, 0.4014



73.9753, 0.3652, 0.3627



23.6362, 0.4677, 0.2373



15.0957, 0.3752, 0.3682



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.



35.7062, 0.5455, 0.4014



33.9420, 0.5561, 0.3967



85.3385, 0.4272, 0.4971



19.3582, 0.3283, 0.3399



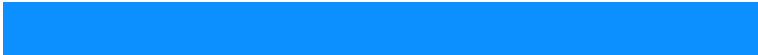
18.0259, 0.5533, 0.3989



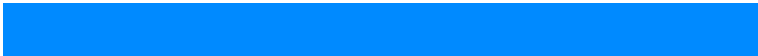
1.9705, 0.5342, 0.4140

Inverse Universe

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



27.3281, 0.1834, 0.1775



25.4470, 0.1803, 0.1689



8.0172, 0.1525, 0.0658



19.0087, 0.2979, 0.3178



13.5991, 0.1810, 0.1716



1.5427, 0.1864, 0.1909

Previews

White Background



This preview shows how the Yxy color 35.7044, 0.5455, 0.4014 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 35.7044, 0.5455, 0.4014 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 35.7044, 0.5455, 0.4014

Background



This preview shows how black text looks on a background with the Yxy color 35.7044, 0.5455, 0.4014.



This preview shows how white text looks on a background with the Yxy color 35.7044, 0.5455, 0.4014.

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

35.7044, 0.5455, 0.4014

Protanopia

35.8603, 0.4352, 0.4817

Deuteranopia

35.6198, 0.4721, 0.4633



Tritanopia

35.6975, 0.4645, 0.3225

Trichromacy



Original Color

35.7044, 0.5455, 0.4014

Protanomaly

34.7893, 0.4790, 0.4502

Deuteranomaly

35.0449, 0.5018, 0.4382

Tritanomaly

35.3330, 0.5084, 0.3624

Monochromacy



Original Color

35.7044, 0.5455, 0.4014

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.8082, 0.4098, 0.3842

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7044, 0.5455, 0.4014 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, 124, 13)` looks like.

```
.text, #text, p{  
    color:rgb(255, 124, 13)  
}
```

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, 124, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 124, 13) }
```

Border

The CSS property to change the border of an element to Yxy 35.7044, 0.5455, 0.4014 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, 124, 13) }
```

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

```
.border{ border-color:rgb(255, 124, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 124, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 124, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 124, 13);  
box-shadow:4px 4px 4px 4px rgb(255, 124,  
13) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7044, 0.5455, 0.4014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 124, 13) }
```

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

```
.background{ background-color: rgb(255,  
124, 13) }
```

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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