

Converting Colors

$Y_{xy}(37.5604, 0.5240, 0.4097)$

Have a look what the booklet for
Yxy(37.5604, 0.5240, 0.4097)
contains.

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Color

Yxy(37.5720, 0.5236, 0.4099)

Conversions

Conversions Part 1

Format	Color
Hex	F98720
RGB	249, 135, 32
RGB Percent	98%, 53%, 13%
CMY	0.0235, 0.4706, 0.8741
CMYK	0.00, 0.46, 0.87, 0.02
HSL	28°, 95%, 55%
HSV	28°, 87%, 98%
XYZ	47.9939, 37.5720, 6.0955
YIQ	157.3440, 101.0070, -7.8650

Conversions

Conversions Part 2

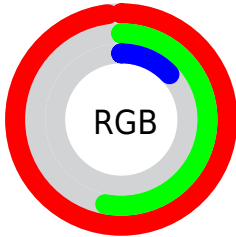
Format	Color
R _Y B	249, 228, 32
Decimal	16353056
CIE Lab	67.70, 37.36, 67.81
CIE LCh	68, 77.420, 61.145
Yxy	37.5720, 0.5236, 0.4099
Android (android.graphics.Color)	4294543136 (0xFFFF98720)
YUV	157.3440, -61.7946, 80.3823
Hunter-Lab	61.2960, 32.4950, 37.0112

Details

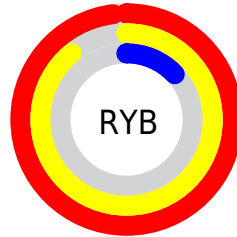
The Yxy color **37.5720, 0.5236, 0.4099** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **27.7356, 0.1876, 0.1859**, and the grayscale version is **34.1358, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3765, 0.4467, 0.4258**, and **16.6256, 0.5565, 0.3963** is the 20% darker color. If you saturate the color by 10%, you get **34.0547, 0.5453, 0.4032**, and if you desaturate by 10%, it is **41.6438, 0.4976, 0.4111**.

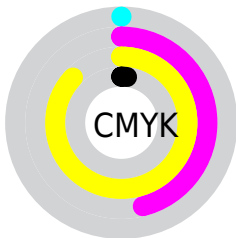
Distribution



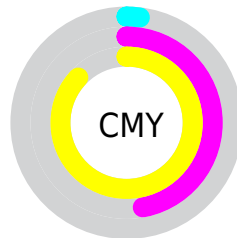
- Red (98%)
- Green (53%)
- Blue (13%)



- Red (98%)
- Yellow (89%)
- Blue (13%)



- Cyan (0%)
- Magenta (46%)
- Yellow (87%)
- Black (2%)




- Cyan (2%)
- Magenta (47%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.5720, 0.5236, 0.4099 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 37.5720, 0.5236, 0.4099 by changing the saturation by 10% instead.


 37.5720, 0.5236,
0.4099


 37.5720, 0.5236,
0.4099


335.7804, 0.4224,
0.3840


 25.6507, 0.5444,
0.4103


 71.4517, 0.4896,
0.4049


 16.5625, 0.5678,
0.4074


 94.1788, 0.4759,
0.4017


 9.9231, 0.5982,
0.4018


 121.2766, 0.4640,
0.3984

 5.3480, 0.6206,
0.3794

 153.1296, 0.4535,
0.3952

 2.4528, 0.6538,
0.3462

 190.1220, 0.4443,
0.3921

 0.8529, 0.7078,
0.2922

 232.6384, 0.4361,

 0.0000, 1.0000,

0.3892

0.0000

281.0630, 0.4289,
0.3865

■ 0.0000, 0.0000,
0.0000

■ 37.5720, 0.5236,
0.4099

■ 37.5720, 0.5236,
0.4099

■ 34.0547, 0.5453,
0.4032

■ 41.6438, 0.4976,
0.4111


■ 33.1292, 0.5510,
0.4007

■ 46.2996, 0.4691,
0.4070

■ 51.5718, 0.4401,
0.3989

■ 57.4876, 0.4121,
0.3881

■ 64.0725, 0.3862,
0.3757

 71.3498, 0.3629,
0.3627

 79.3417, 0.3422,
0.3498

 88.0694, 0.3241,
0.3374

 97.4753, 0.3091,
0.3269

Harmonies

Analogous

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



37.5720, 0.5277, 0.3348



37.5720, 0.5236, 0.4099



37.5720, 0.4584, 0.4886

Triad

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



37.5720, 0.5236, 0.4099



37.5720, 0.1782, 0.3869



37.5720, 0.2292, 0.1759

Complementary

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



37.5720, 0.5236, 0.4099



27.7356, 0.1876, 0.1859

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.



37.5720, 0.1629, 0.1692



37.5720, 0.5236, 0.4099



37.5720, 0.1365, 0.2641

Square

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



37.5720, 0.5236, 0.4099



37.5720, 0.2607, 0.5122



37.5720, 0.1332, 0.1945



37.5720, 0.3343, 0.2098

Rectangle

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



37.5720, 0.5236, 0.4099



37.5720, 0.3965, 0.5313



37.5720, 0.1332, 0.1945



37.5720, 0.2026, 0.1705

Sweetspot

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



37.5740, 0.5236, 0.4099



76.1888, 0.3605, 0.3613



23.3097, 0.4570, 0.2372



15.7132, 0.3682, 0.3658



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.



37.5740, 0.5236, 0.4099



34.9298, 0.5512, 0.4005



83.6149, 0.4217, 0.4965



18.5835, 0.3282, 0.3403



18.0129, 0.5484, 0.4027



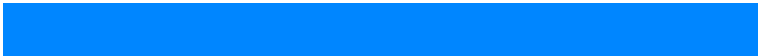
1.8789, 0.5290, 0.4182

Inverse Universe

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



27.7356, 0.1876, 0.1859



24.2758, 0.1787, 0.1632



8.6208, 0.1571, 0.0734



18.1529, 0.2980, 0.3175



12.6180, 0.1795, 0.1662



1.3810, 0.1853, 0.1869

Previews

White Background



This preview shows how the Yxy color 37.5720, 0.5236, 0.4099 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 37.5720, 0.5236, 0.4099 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 37.5720, 0.5236, 0.4099

Background



This preview shows how black text looks on a background with the Yxy color 37.5720, 0.5236, 0.4099.



This preview shows how white text looks on a background with the Yxy color 37.5720, 0.5236, 0.4099.

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

37.5720, 0.5236, 0.4099

Protanopia

37.8647, 0.4303, 0.4754

Deuteranopia

37.7037, 0.4696, 0.4607



Tritanopia

37.5536, 0.4462, 0.3201

Trichromacy



Original Color

37.5720, 0.5236, 0.4099

Protanomaly

37.1316, 0.4655, 0.4507

Deuteranomaly

37.3963, 0.4911, 0.4412

Tritanomaly

37.2778, 0.4846, 0.3599

Monochromacy



Original Color

37.5720, 0.5236, 0.4099

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

33.6119, 0.3944, 0.3798

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5720, 0.5236, 0.4099 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(249, 135, 32)` looks like.

```
.text, #text, p{  
    color:rgb(249, 135, 32)  
}
```

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(249, 135, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 135, 32) }
```

Border

The CSS property to change the border of an element to Yxy 37.5720, 0.5236, 0.4099 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(249, 135, 32) }
```

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

```
.border{ border-color:rgb(249, 135, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 135, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 135, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 135, 32);  
box-shadow:4px 4px 4px 4px rgb(249, 135,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5720, 0.5236, 0.4099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 135, 32) }
```

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

```
.background{ background-color: rgb(249,  
135, 32) }
```

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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