

Converting Colors

$Y_{xy}(34.1243, 0.5446, 0.4058)$

Have a look what the booklet for
Yxy(34.1243, 0.5446, 0.4058)
contains.

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Color

Yxy(34.1224, 0.5446, 0.4058)

Conversions

Conversions Part 1

Format	Color
Hex	F87B00
RGB	248, 123, 0
RGB Percent	97%, 48%, 0%
CMY	0.0275, 0.5176, 1.0000
CMYK	0.00, 0.50, 1.00, 0.03
HSL	30°, 100%, 49%
HSV	30°, 100%, 97%
XYZ	45.7936, 34.1224, 4.1707
YIQ	146.3530, 113.9830, -11.7530

Conversions

Conversions Part 2

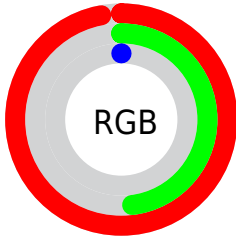
Format	Color
RYB	248, 244, 0
Decimal	16284416
CIELab	65.06, 42.58, 72.34
CIELCh	65, 83.941, 59.518
Yxy	34.1224, 0.5446, 0.4058
Android (android.graphics.Color)	4294474496 (0xFFFF87B00)
YUV	146.3530, -72.1520, 89.1444
Hunter-Lab	58.4144, 37.7089, 36.6568

Details

The Yxy color **34.1224, 0.5446, 0.4058** 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 **21.4412, 0.1767, 0.1561**, and the grayscale version is **29.1663, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.1592, 0.4670, 0.4273**, and **14.6968, 0.5735, 0.3828** is the 20% darker color. If you saturate the color by 10%, you get **34.1244, 0.5446, 0.4058**, and if you desaturate by 10%, it is **37.4956, 0.5247, 0.4132**.

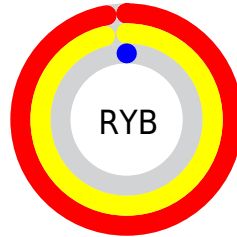
Distribution



Red (97%)

Green (48%)

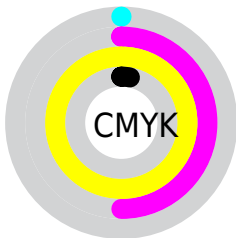
Blue (0%)



Red (97%)

Yellow (96%)

Blue (0%)

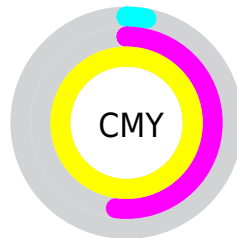


Cyan (0%)

Magenta (50%)

Yellow (100%)

Black (3%)



Cyan (3%)

Magenta (52%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.1224, 0.5446, 0.4058 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 34.1224, 0.5446, 0.4058 by changing the saturation by 10% instead.

 34.1224, 0.5446,
0.4058

 34.1224, 0.5446,
0.4058


320.6775, 0.4338,
0.3857

 22.9876, 0.5665,
0.4033


 66.1240, 0.5080,
0.4040


 14.5844, 0.5924,
0.3974


 87.7596, 0.4930,
0.4017


 8.5282, 0.6177,
0.3823


 113.6642, 0.4798,
0.3990

 4.4348, 0.6447,
0.3553

 144.2224, 0.4683,
0.3962

 1.9196, 0.6852,
0.3148

 179.8184, 0.4581,
0.3934


 0.5601, 0.7630,
0.2370


 220.8366, 0.4491,

 0.0000, 1.0000,

0.3907

0.0000

 267.6615, 0.4410,
0.3881


 0.0000, 0.0000,
0.0000


 34.1224, 0.5446,
0.4058

 34.1224, 0.5446,
0.4058


 34.1244, 0.5446,
0.4058

 37.4956, 0.5247,
0.4132

 41.3650, 0.5009,
0.4155

 45.7733, 0.4740,
0.4124

 50.7497, 0.4460,
0.4048

 56.3203, 0.4185,
0.3941

62.5088, 0.3925,
0.3815

69.3374, 0.3688,
0.3681

76.8270, 0.3477,
0.3545

84.9970, 0.3290,
0.3414

Harmonies

Analogous

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



34.1224, 0.5490, 0.3268



34.1224, 0.5446, 0.4058



34.1224, 0.4721, 0.4937

Triad

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



34.1224, 0.5446, 0.4058



34.1224, 0.1675, 0.4017



34.1224, 0.2154, 0.1620

Complementary

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



34.1224, 0.5446, 0.4058



21.4412, 0.1767, 0.1561

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.



34.1224, 0.1474, 0.1560



34.1224, 0.5446, 0.4058



34.1224, 0.1225, 0.2604

Square

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



34.1224, 0.5446, 0.4058



34.1224, 0.2576, 0.5435



34.1224, 0.1181, 0.1835



34.1224, 0.3284, 0.1965

Rectangle

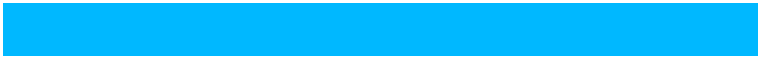
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



34.1224, 0.5446, 0.4058



34.1224, 0.4044, 0.5469



34.1224, 0.1181, 0.1835



34.1224, 0.1878, 0.1567

Sweetspot

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



34.1244, 0.5446, 0.4058



73.8346, 0.3689, 0.3681



21.5180, 0.4926, 0.2487



15.1283, 0.3786, 0.3739



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.



34.1244, 0.5446, 0.4058



36.3056, 0.5448, 0.4056



84.5757, 0.4223, 0.5029



18.6474, 0.3281, 0.3408



18.7145, 0.5421, 0.4078



1.9451, 0.5235, 0.4225

Inverse Universe

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



21.4412, 0.1767, 0.1561



22.7935, 0.1766, 0.1558



6.8669, 0.1502, 0.0607



18.0888, 0.2980, 0.3169



11.8640, 0.1775, 0.1589



1.3109, 0.1834, 0.1803

Previews

White Background



This preview shows how the Yxy color 34.1224, 0.5446, 0.4058 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 34.1224, 0.5446, 0.4058 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 34.1224, 0.5446, 0.4058

Background



This preview shows how black text looks on a background with the Yxy color 34.1224, 0.5446, 0.4058.



This preview shows how white text looks on a background with the Yxy color 34.1224, 0.5446, 0.4058.

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

34.1224, 0.5446, 0.4058

Protanopia

34.4379, 0.4364, 0.4828

Deuteranopia

34.0921, 0.4720, 0.4634



Tritanopia

34.1352, 0.4678, 0.3214

Trichromacy



Original Color

34.1224, 0.5446, 0.4058

Protanomaly

33.4268, 0.4785, 0.4536

Deuteranomaly

33.5079, 0.5001, 0.4411

Tritanomaly

33.7819, 0.5136, 0.3651

Monochromacy



Original Color

34.1224, 0.5446, 0.4058

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.0346, 0.4136, 0.3925

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1224, 0.5446, 0.4058 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(248, 123, 0)` looks like.

```
.text, #text, p{  
    color:rgb(248, 123, 0)  
}
```

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(248, 123, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 123, 0) }
```

Border

The CSS property to change the border of an element to Yxy 34.1224, 0.5446, 0.4058 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(248, 123, 0) }
```

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

```
.border{ border-color:rgb(248, 123, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 123, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 123, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 123, 0);  
box-shadow:4px 4px 4px 4px rgb(248, 123,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1224, 0.5446, 0.4058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 123, 0) }
```

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

```
.background{ background-color: rgb(248,  
123, 0) }
```

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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