

Converting Colors

$Y_{xy}(34.3414, 0.5195, 0.4120)$

Have a look what the booklet for
Yxy(34.3414, 0.5195, 0.4120)
contains.

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Color

Yxy(34.3414, 0.5195, 0.4120)

Conversions

Conversions Part 1

Format	Color
Hex	ED8320
RGB	237, 131, 32
RGB Percent	93%, 51%, 13%
CMY	0.0706, 0.4862, 0.8747
CMYK	0.00, 0.45, 0.87, 0.07
HSL	29°, 85%, 53%
HSV	29°, 87%, 93%
XYZ	43.3018, 34.3414, 5.7097
YIQ	151.4080, 94.9550, -8.3170

Conversions

Conversions Part 2

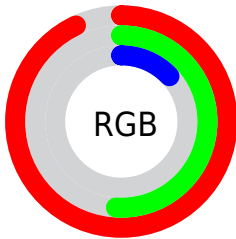
Format	Color
R_{YB}	237, 223, 32
Decimal	15565600
CIE _{Lab}	65.23, 34.59, 65.20
CIE _{LCh}	65, 73.805, 62.050
Y _{xy}	34.3414, 0.5195, 0.4120
Android (android.graphics.Color)	4293755680 (0xFFED8320)
YUV	151.4080, -58.8681, 75.0642
Hunter-Lab	58.6015, 29.3445, 35.2443

Details

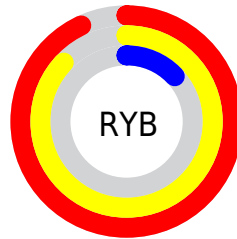
The Yxy color **34.3414, 0.5195, 0.4120** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **24.5843, 0.1875, 0.1847**, and the grayscale version is **31.3581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.6625, 0.4504, 0.4228**, and **14.7360, 0.5518, 0.4001** is the 20% darker color. If you saturate the color by 10%, you get **31.1583, 0.5412, 0.4059**, and if you desaturate by 10%, it is **38.0095, 0.4937, 0.4125**.

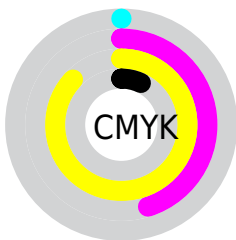
Distribution



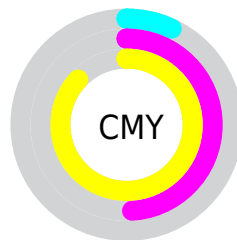
- Red (93%)
- Green (51%)
- Blue (13%)



- Red (93%)
- Yellow (87%)
- Blue (13%)



- Cyan (0%)
- Magenta (45%)
- Yellow (87%)
- Black (7%)





- Cyan (7%)
- Magenta (49%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.3414, 0.5195, 0.4120 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 34.3414, 0.5195, 0.4120 by changing the saturation by 10% instead.


 34.3414, 0.5195,
0.4120


 34.3414, 0.5195,
0.4120


321.6517, 0.4185,
0.3838


 23.1560, 0.5406,
0.4129


 66.4642, 0.4852,
0.4061


 14.7087, 0.5646,
0.4105


 88.1704, 0.4715,
0.4025


 8.6152, 0.5953,
0.4047


 114.1524, 0.4596,
0.3989

 4.4911, 0.6184,
0.3816

 144.7944, 0.4492,
0.3955

 1.9519, 0.6537,
0.3463

 180.4810, 0.4401,
0.3923

 0.5793, 0.7247,
0.2753

 221.5964, 0.4320,

 0.0000, 1.0000,

0.3892

0.0000

268.5252, 0.4249,
0.3864

■ 0.0000, 0.0000,
0.0000

■ 34.3414, 0.5195,
0.4120

■ 34.3414, 0.5195,
0.4120

■ 31.1583, 0.5412,
0.4059

■ 38.0095, 0.4937,
0.4125


■ 30.1491, 0.5481,
0.4030


■ 42.1873, 0.4657,
0.4079


■ 46.9024, 0.4371,
0.3994


■ 52.1785, 0.4097,
0.3882

■ 58.0370, 0.3842,
0.3756

 64.4982, 0.3613,
0.3624

 71.5812, 0.3409,
0.3493

 79.3040, 0.3231,
0.3368

 87.6838, 0.3076,
0.3250

Harmonies

Analogous

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



34.3414, 0.5252, 0.3375



34.3414, 0.5195, 0.4120



34.3414, 0.4544, 0.4891

Triad

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



34.3414, 0.5195, 0.4120



34.3414, 0.1785, 0.3818



34.3414, 0.2332, 0.1785

Complementary

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



34.3414, 0.5195, 0.4120



24.5843, 0.1875, 0.1847

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.



34.3414, 0.1663, 0.1711



34.3414, 0.5195, 0.4120



34.3414, 0.1383, 0.2626

Square

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



34.3414, 0.5195, 0.4120



34.3414, 0.2591, 0.5058



34.3414, 0.1358, 0.1952



34.3414, 0.3377, 0.2129

Rectangle

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



34.3414, 0.5195, 0.4120



34.3414, 0.3931, 0.5297



34.3414, 0.1358, 0.1952



34.3414, 0.2065, 0.1729

Sweetspot

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



34.3432, 0.5195, 0.4120



76.4900, 0.3604, 0.3618



20.9679, 0.4551, 0.2370



15.7843, 0.3680, 0.3664



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.



34.3432, 0.5195, 0.4120



35.4709, 0.5487, 0.4026



74.7944, 0.4213, 0.4961



16.2549, 0.3281, 0.3404



16.7207, 0.5454, 0.4051



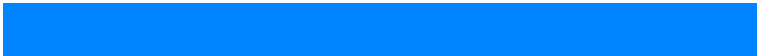
1.5048, 0.5234, 0.4226

Inverse Universe

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



24.5843, 0.1875, 0.1847



23.6735, 0.1779, 0.1602



7.8585, 0.1578, 0.0747



15.8370, 0.2981, 0.3173



11.2712, 0.1788, 0.1637



1.0776, 0.1856, 0.1881

Previews

White Background



This preview shows how the Yxy color 34.3414, 0.5195, 0.4120 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 34.3414, 0.5195, 0.4120 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 34.3414, 0.5195, 0.4120

Background



This preview shows how black text looks on a background with the Yxy color 34.3414, 0.5195, 0.4120.



This preview shows how white text looks on a background with the Yxy color 34.3414, 0.5195, 0.4120.

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

34.3414, 0.5195, 0.4120

Protanopia

34.4077, 0.4296, 0.4749

Deuteranopia

34.5944, 0.4686, 0.4597



Tritanopia

34.2585, 0.4416, 0.3196

Trichromacy



Original Color

34.3414, 0.5195, 0.4120

Protanomaly

33.7644, 0.4632, 0.4517

Deuteranomaly

34.3045, 0.4879, 0.4421

Tritanomaly

34.0187, 0.4805, 0.3605

Monochromacy



Original Color

34.3414, 0.5195, 0.4120

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.9743, 0.3926, 0.3804

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.3414, 0.5195, 0.4120 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(237, 131, 32)` looks like.

```
.text, #text, p{  
    color:rgb(237, 131, 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(237, 131, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 131, 32) }
```

Border

The CSS property to change the border of an element to Yxy 34.3414, 0.5195, 0.4120 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(237, 131, 32) }
```

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

```
.border{ border-color:rgb(237, 131, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 131, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 131, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 131, 32);  
box-shadow:4px 4px 4px 4px rgb(237, 131,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 34.3414, 0.5195, 0.4120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 131, 32) }
```

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

```
.background{ background-color: rgb(237,  
131, 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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