

Converting Colors

$Y_{xy}(33.4796, 0.4993, 0.4222)$

Have a look what the booklet for
Yxy(33.4796, 0.4993, 0.4222)
contains.

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Color

Yxy(33.4362, 0.4997, 0.4221)

Conversions

Conversions Part 1

Format	Color
Hex	DF8826
RGB	223, 136, 38
RGB Percent	87%, 53%, 15%
CMY	0.1255, 0.4666, 0.8513
CMYK	0.00, 0.39, 0.83, 0.13
HSL	32°, 74%, 51%
HSV	32°, 83%, 87%
XYZ	39.5832, 33.4362, 6.1945
YIQ	150.8410, 83.3100, -12.0340

Conversions

Conversions Part 2

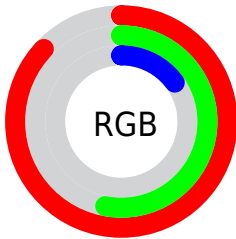
Format	Color
RYB	202, 223, 38
Decimal	14649382
CIELab	64.51, 26.35, 61.89
CIElCh	65, 67.270, 66.938
Yxy	33.4362, 0.4997, 0.4221
Android (android.graphics.Color)	4292839462 (0xFFDF8826)
YUV	150.8410, -55.6306, 63.2834
Hunter-Lab	57.8240, 20.9993, 34.1253

Details

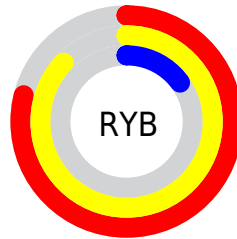
The Yxy color **33.4362, 0.4997, 0.4221** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **20.3816, 0.1873, 0.1781**, and the grayscale version is **31.0895, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.8596, 0.4441, 0.4244**, and **14.3370, 0.5303, 0.4171** is the 20% darker color. If you saturate the color by 10%, you get **30.5252, 0.5208, 0.4192**, and if you desaturate by 10%, it is **36.7254, 0.4753, 0.4196**.

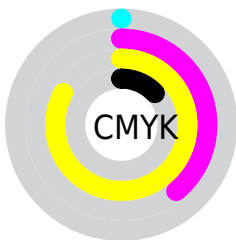
Distribution



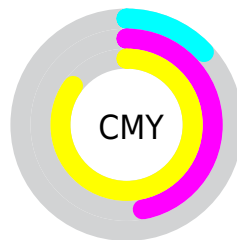
- Red (87%)
- Green (53%)
- Blue (15%)



- Red (79%)
- Yellow (87%)
- Blue (15%)



- Cyan (0%)
- Magenta (39%)
- Yellow (83%)
- Black (13%)




- Cyan (13%)
- Magenta (47%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.4362, 0.4997, 0.4221 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 33.4362, 0.4997, 0.4221 by changing the saturation by 10% instead.


 33.4362, 0.4997,
0.4221


 33.4362, 0.4997,
0.4221

317.6107, 0.4075,
0.3858


 22.4608, 0.5194,
0.4258


 65.0559, 0.4681,
0.4126


 14.1959, 0.5417,
0.4270


 86.4691, 0.4555,
0.4078

 8.2570, 0.5725,
0.4275


 112.1303, 0.4447,
0.4033

 4.2599, 0.5917,
0.4083

 142.4239, 0.4352,
0.3992

 1.8200, 0.6218,
0.3782

 177.7344, 0.4270,
0.3954

 0.4996, 0.6971,
0.3029

 218.4461, 0.4197,

 0.0000, 1.0000,

0.3919

0.0000

264.9434, 0.4133,
0.3887

■ 0.0000, 0.0000,
0.0000

■ 33.4362, 0.4997,
0.4221

■ 33.4362, 0.4997,
0.4221

■ 30.5252, 0.5208,
0.4192

■ 36.7254, 0.4753,
0.4196

■ 28.6880, 0.5336,
0.4145

■ 40.4089, 0.4492,
0.4123

■ 44.5071, 0.4230,
0.4016

■ 49.0370, 0.3977,
0.3887

■ 54.0143, 0.3743,
0.3747

■ 59.4536, 0.3530,
0.3603

■ 65.3686, 0.3341,
0.3463

■ 71.7726, 0.3173,
0.3329

■ 78.6781, 0.3026,
0.3203

Harmonies

Analogous

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



33.4362, 0.5134, 0.3506



33.4362, 0.4997, 0.4221



33.4362, 0.4345, 0.4908

Triad

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



33.4362, 0.4997, 0.4221



33.4362, 0.1793, 0.3582



33.4362, 0.2529, 0.1912

Complementary

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



33.4362, 0.4997, 0.4221



20.3816, 0.1873, 0.1781

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.



33.4362, 0.1834, 0.1800



33.4362, 0.4997, 0.4221



33.4362, 0.1464, 0.2553

Square

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



33.4362, 0.4997, 0.4221



33.4362, 0.2503, 0.4748



33.4362, 0.1488, 0.1984



33.4362, 0.3543, 0.2278

Rectangle

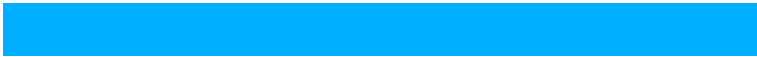
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.4362, 0.4997, 0.4221



33.4362, 0.3756, 0.5206



33.4362, 0.1488, 0.1984



33.4362, 0.2257, 0.1845

Sweetspot

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



33.4379, 0.4997, 0.4221



78.9033, 0.3575, 0.3635



18.6105, 0.4630, 0.2464



16.3251, 0.3649, 0.3685



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.



33.4379, 0.4997, 0.4221



38.6299, 0.5346, 0.4137



68.1132, 0.4123, 0.4996



14.8972, 0.3279, 0.3414



17.0976, 0.5314, 0.4162



1.3640, 0.5095, 0.4337

Inverse Universe

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



20.3816, 0.1873, 0.1781



20.6168, 0.1735, 0.1445



7.1803, 0.1613, 0.0776



14.3002, 0.2981, 0.3162



9.2728, 0.1746, 0.1485



0.8209, 0.1826, 0.1775

Previews

White Background



This preview shows how the Yxy color 33.4362, 0.4997, 0.4221 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 33.4362, 0.4997, 0.4221 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 33.4362, 0.4997, 0.4221

Background



This preview shows how black text looks on a background with the Yxy color 33.4362, 0.4997, 0.4221.



This preview shows how white text looks on a background with the Yxy color 33.4362, 0.4997, 0.4221.

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

33.4362, 0.4997, 0.4221

Protanopia

33.5185, 0.4277, 0.4716

Deuteranopia

33.6049, 0.4638, 0.4544



Tritanopia

33.4503, 0.4197, 0.3189

Trichromacy



Original Color

33.4362, 0.4997, 0.4221

Protanomaly

32.9924, 0.4549, 0.4529

Deuteranomaly

33.3274, 0.4776, 0.4422

Tritanomaly

33.0541, 0.4579, 0.3635

Monochromacy



Original Color

33.4362, 0.4997, 0.4221

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.0307, 0.3838, 0.3814

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4362, 0.4997, 0.4221 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(223, 136, 38)` looks like.

```
.text, #text, p{  
    color:rgb(223, 136, 38)  
}
```

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(223, 136, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 136, 38) }
```

Border

The CSS property to change the border of an element to Yxy 33.4362, 0.4997, 0.4221 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(223, 136, 38) }
```

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

```
.border{ border-color:rgb(223, 136, 38) }
```

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

Here you see how a box with a 4 pixel rgb(223, 136, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 136, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 136, 38);  
box-shadow:4px 4px 4px 4px rgb(223, 136,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4362, 0.4997, 0.4221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 136, 38) }
```

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

```
.background{ background-color: rgb(223,  
136, 38) }
```

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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