

Converting Colors

$Y_{xy}(33.2016, 0.4993, 0.4223)$

Have a look what the booklet for
Yxy(33.2016, 0.4993, 0.4223)
contains.

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Color

Yxy(33.2779, 0.4988, 0.4226)

Conversions

Conversions Part 1

Format	Color
Hex	DE8826
RGB	222, 136, 38
RGB Percent	87%, 53%, 15%
CMY	0.1294, 0.4666, 0.8508
CMYK	0.00, 0.39, 0.83, 0.13
HSL	32°, 74%, 51%
HSV	32°, 83%, 87%
XYZ	39.2783, 33.2779, 6.1894
YIQ	150.5420, 82.7140, -12.2460

Conversions

Conversions Part 2

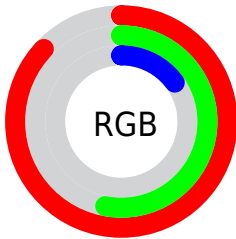
Format	Color
R_{YB}	199, 222, 38
Decimal	14583846
CIE _{Lab}	64.39, 25.94, 61.70
CIE _{LCh}	64, 66.926, 67.196
Yxy	33.2779, 0.4988, 0.4226
Android (android.graphics.Color)	4292773926 (0xFFDE8826)
YUV	150.5420, -55.4832, 62.6687
Hunter-Lab	57.6870, 20.5860, 34.0195

Details

The Yxy color **33.2779, 0.4988, 0.4226** 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 **20.1082, 0.1873, 0.1777**, and the grayscale version is **30.9591, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.8596, 0.4441, 0.4244**, and **14.2326, 0.5293, 0.4179** is the 20% darker color. If you saturate the color by 10%, you get **30.3934, 0.5198, 0.4199**, and if you desaturate by 10%, it is **36.5343, 0.4745, 0.4199**.

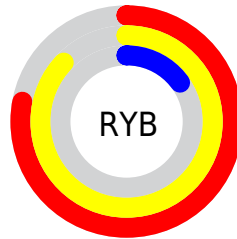
Distribution



Red (87%)

Green (53%)

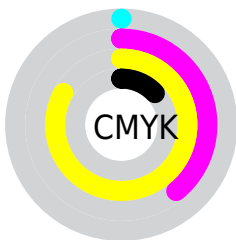
Blue (15%)



Red (78%)

Yellow (87%)

Blue (15%)

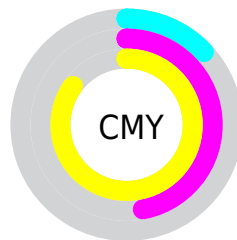


Cyan (0%)

Magenta (39%)

Yellow (83%)

Black (13%)



Cyan (13%)

Magenta (47%)

Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.2779, 0.4988, 0.4226 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 33.2779, 0.4988, 0.4226 by changing the saturation by 10% instead.


 33.2779, 0.4988,
0.4226


 33.2779, 0.4988,
0.4226


316.9001, 0.4070,
0.3859

 22.3394, 0.5184,
0.4264


 64.8092, 0.4673,
0.4129

 14.1065, 0.5407,
0.4278


 86.1707, 0.4548,
0.4081


 8.1948, 0.5714,
0.4286

 111.7754, 0.4440,
0.4035

 4.2198, 0.5905,
0.4095

 142.0077, 0.4346,
0.3993

 1.7973, 0.6204,
0.3796

 177.2519, 0.4264,
0.3955

 0.4855, 0.6978,
0.3022

 217.8924, 0.4191,

 0.0000, 1.0000,

0.3920

0.0000

264.3137, 0.4127,
0.3888

■ 0.0000, 0.0000,
0.0000

■ 33.2779, 0.4988,
0.4226

■ 33.2779, 0.4988,
0.4226

■ 30.3934, 0.5198,
0.4199

■ 36.5343, 0.4745,
0.4199

■ 28.5399, 0.5328,
0.4151

■ 40.1781, 0.4485,
0.4126

■ 44.2296, 0.4224,
0.4018

■ 48.7052, 0.3973,
0.3888

■ 53.6204, 0.3739,
0.3747

■ 58.9895, 0.3527,
0.3603

■ 64.8261, 0.3338,
0.3462

■ 71.1429, 0.3171,
0.3327

■ 77.9524, 0.3025,
0.3201

Harmonies

Analogous

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



33.2779, 0.5129, 0.3513



33.2779, 0.4988, 0.4226



33.2779, 0.4335, 0.4909

Triad

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



33.2779, 0.4988, 0.4226



33.2779, 0.1793, 0.3571



33.2779, 0.2539, 0.1918

Complementary

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



33.2779, 0.4988, 0.4226



20.1082, 0.1873, 0.1777

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.



33.2779, 0.1842, 0.1804



33.2779, 0.4988, 0.4226



33.2779, 0.1467, 0.2549

Square

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



33.2779, 0.4988, 0.4226



33.2779, 0.2498, 0.4734



33.2779, 0.1494, 0.1985



33.2779, 0.3551, 0.2285

Rectangle

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



33.2779, 0.4988, 0.4226



33.2779, 0.3747, 0.5202



33.2779, 0.1494, 0.1985



33.2779, 0.2266, 0.1850

Sweetspot

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



33.2796, 0.4988, 0.4226



78.9918, 0.3575, 0.3636



18.4487, 0.4626, 0.2463



16.3461, 0.3649, 0.3687



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.



33.2796, 0.4988, 0.4226



39.1557, 0.5321, 0.4150



67.4311, 0.4123, 0.4994



14.9032, 0.3279, 0.3415



17.1773, 0.5307, 0.4168



1.3695, 0.5089, 0.4341

Inverse Universe

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



20.1082, 0.1873, 0.1777



20.8031, 0.1739, 0.1455



7.1357, 0.1615, 0.0779



14.2943, 0.2981, 0.3162



9.2043, 0.1744, 0.1477



0.8160, 0.1824, 0.1768

Previews

White Background



This preview shows how the Yxy color 33.2779, 0.4988, 0.4226 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 33.2779, 0.4988, 0.4226 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 33.2779, 0.4988, 0.4226

Background



This preview shows how black text looks on a background with the Yxy color 33.2779, 0.4988, 0.4226.



This preview shows how white text looks on a background with the Yxy color 33.2779, 0.4988, 0.4226.

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

33.2779, 0.4988, 0.4226

Protanopia

33.5185, 0.4277, 0.4716

Deuteranopia

33.1544, 0.4640, 0.4541



Tritanopia

33.2872, 0.4186, 0.3188

Trichromacy



Original Color

33.2779, 0.4988, 0.4226

Protanomaly

32.9924, 0.4549, 0.4529

Deuteranomaly

33.1838, 0.4766, 0.4428

Tritanomaly

32.8929, 0.4570, 0.3636

Monochromacy



Original Color

33.2779, 0.4988, 0.4226

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 33.2779, 0.4988, 0.4226 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(222, 136, 38)` looks like.

```
.text, #text, p{  
    color:rgb(222, 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(222, 136, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 136, 38) }
```

Border

The CSS property to change the border of an element to Yxy 33.2779, 0.4988, 0.4226 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(222, 136, 38) }
```

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

```
.border{ border-color:rgb(222, 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(222, 136, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 136, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 136, 38);  
box-shadow:4px 4px 4px 4px rgb(222, 136,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2779, 0.4988, 0.4226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 136, 38) }
```

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

```
.background{ background-color: rgb(222,  
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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