

Converting Colors

$Y_{xy}(33.3054, 0.4717, 0.3840)$

Have a look what the booklet for
Yxy(33.3054, 0.4717, 0.3840)
contains.

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Color

Yxy(33.4071, 0.4719, 0.3845)

Conversions

Conversions Part 1

Format	Color
Hex	E18553
RGB	225, 133, 83
RGB Percent	88%, 52%, 33%
CMY	0.1177, 0.4784, 0.6744
CMYK	0.00, 0.41, 0.63, 0.12
HSL	21°, 70%, 60%
HSV	21°, 63%, 88%
XYZ	41.0008, 33.4071, 12.4766
YIQ	154.8080, 70.8820, 3.9540

Conversions

Conversions Part 2

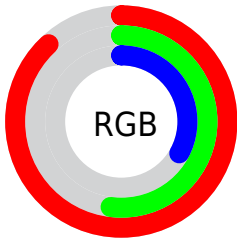
Format	Color
R _{YB}	225, 160, 83
Decimal	14779731
CIE _{Lab}	64.49, 30.86, 41.63
CIE _{LCh}	64, 51.821, 53.454
Y _{xy}	33.4071, 0.4719, 0.3845
Android (android.graphics.Color)	4292969811 (0xFFE18553)
YUV	154.8080, -35.4013, 61.5584
Hunter-Lab	57.7989, 25.4746, 27.6607

Details

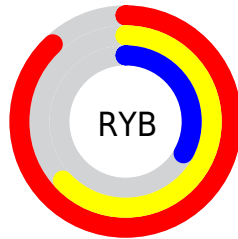
The Yxy color **33.4071, 0.4719, 0.3845** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **37.9454, 0.2206, 0.2576**, and the grayscale version is **32.8272, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.5219, 0.4156, 0.3841**, and **14.1553, 0.5186, 0.3897** is the 20% darker color. If you saturate the color by 10%, you get **29.3966, 0.5067, 0.3878**, and if you desaturate by 10%, it is **38.0880, 0.4381, 0.3780**.

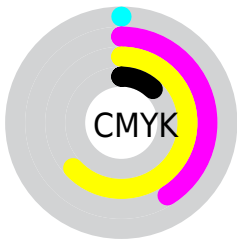
Distribution



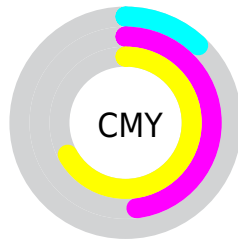
- Red (88%)
- Green (52%)
- Blue (33%)



- Red (88%)
- Yellow (63%)
- Blue (33%)



- Cyan (0%)
- Magenta (41%)
- Yellow (63%)
- Black (12%)





- Cyan (12%)
- Magenta (48%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.4071, 0.4719, 0.3845 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 33.4071, 0.4719, 0.3845 by changing the saturation by 10% instead.


 33.4071, 0.4719,
0.3845


 33.4071, 0.4719,
0.3845


317.4802, 0.3890,
0.3618


 22.4385, 0.4925,
0.3876


 65.0106, 0.4416,
0.3780

 14.1795, 0.5182,
0.3898


 86.4143, 0.4302,
0.3749

 8.2456, 0.5506,
0.3892


 112.0651, 0.4206,
0.3722

 4.2525, 0.6054,
0.3908

 142.3474, 0.4124,
0.3697

 1.8158, 0.6415,
0.3585

 177.6457, 0.4054,
0.3674

 0.4970, 0.7214,
0.2786

218.3444, 0.3992,

 0.0000, 1.0000,

0.3654

0.0000

264.8277, 0.3938,
0.3635

0.0000, 0.0000,
0.0000

33.4071, 0.4719,
0.3845

33.4071, 0.4719,
0.3845

29.3966, 0.5067,
0.3878

38.0880, 0.4381,
0.3780

26.0172, 0.5399,
0.3866

43.4652, 0.4071,
0.3694


23.2326, 0.5686,
0.3803

49.5696, 0.3795,
0.3599

21.6286, 0.5850,
0.3737

56.4284, 0.3556,
0.3502

64.0673, 0.3350,
0.3407

 72.5108, 0.3176,
0.3317

 81.7821, 0.3027,
0.3233

 91.3758, 0.2945,
0.3236

 94.7473, 0.2946,
0.3289

Harmonies

Analogous

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



33.4071, 0.4552, 0.3258



33.4071, 0.4719, 0.3845



33.4071, 0.4403, 0.4404

Triad

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



33.4071, 0.4719, 0.3845



33.4071, 0.2309, 0.3933



33.4071, 0.2372, 0.2099

Complementary

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



33.4071, 0.4719, 0.3845



37.9454, 0.2206, 0.2576

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.



33.4071, 0.1917, 0.2124



33.4071, 0.4719, 0.3845



33.4071, 0.1873, 0.3067

Square

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



33.4071, 0.4719, 0.3845



33.4071, 0.2999, 0.4630



33.4071, 0.1748, 0.2433



33.4071, 0.3088, 0.2313

Rectangle

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



33.4071, 0.4719, 0.3845



33.4071, 0.4002, 0.4682



33.4071, 0.1748, 0.2433



33.4071, 0.2189, 0.2079

Sweetspot

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



33.4088, 0.4719, 0.3845



78.8424, 0.3470, 0.3464



25.3057, 0.3789, 0.2288



16.2661, 0.3532, 0.3491



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.



33.4088, 0.4719, 0.3845



37.4107, 0.5184, 0.3879



59.6770, 0.4143, 0.4567



14.4859, 0.3283, 0.3373



12.6627, 0.5822, 0.3759



1.0420, 0.5526, 0.3994

Inverse Universe

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



37.9454, 0.2206, 0.2576



43.6654, 0.2067, 0.2394



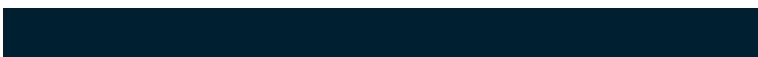
17.2428, 0.1963, 0.1529



14.7179, 0.2982, 0.3206



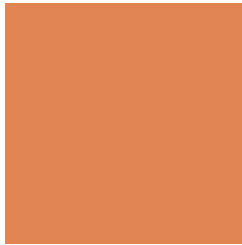
15.1701, 0.1917, 0.2099



1.2179, 0.1973, 0.2304

Previews

White Background



This preview shows how the Yxy color 33.4071, 0.4719, 0.3845 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 33.4071, 0.4719, 0.3845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

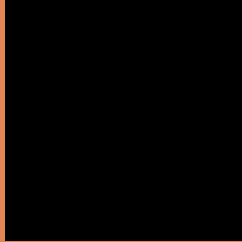
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.4071, 0.4719, 0.3845

Background



This preview shows how black text looks on a background with the Yxy color 33.4071, 0.4719, 0.3845.



This preview shows how white text looks on a background with the Yxy color 33.4071, 0.4719, 0.3845.

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

33.4071, 0.4719, 0.3845

Protanopia

33.6399, 0.3901, 0.4239

Deuteranopia

33.3969, 0.4291, 0.4196



Tritanopia

33.4503, 0.4197, 0.3189

Trichromacy



Original Color

33.4071, 0.4719, 0.3845

Protanomaly

32.9608, 0.4198, 0.4089

Deuteranomaly

33.2032, 0.4460, 0.4063

Tritanomaly

33.3158, 0.4403, 0.3432

Monochromacy



Original Color

33.4071, 0.4719, 0.3845

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.1557, 0.3667, 0.3549

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4071, 0.4719, 0.3845 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(225, 133, 83)` looks like.

```
.text, #text, p{  
    color:rgb(225, 133, 83)  
}
```

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(225, 133, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 133, 83) }
```

Border

The CSS property to change the border of an element to Yxy 33.4071, 0.4719, 0.3845 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(225, 133, 83) }
```

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

```
.border{ border-color:rgb(225, 133, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 133, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 133, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 133, 83);  
box-shadow:4px 4px 4px 4px rgb(225, 133,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4071, 0.4719, 0.3845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 133, 83) }
```

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

```
.background{ background-color: rgb(225,  
133, 83) }
```

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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