

Converting Colors

$Y_{xy}(34.4434, 0.5127, 0.4267)$

Have a look what the booklet for
Yxy(34.4434, 0.5127, 0.4267)
contains.

Yxy(34.2980, 0.5127, 0.4268)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.2980, 0.5127, 0.4268)

Conversions

Conversions Part 1

Format	Color
Hex	E5880E
RGB	229, 136, 14
RGB Percent	90%, 53%, 5%
CMY	0.1019, 0.4667, 0.9453
CMYK	0.00, 0.41, 0.94, 0.10
HSL	34°, 89%, 48%
HSV	34°, 94%, 90%
XYZ	41.2010, 34.2980, 4.8618
YIQ	149.8990, 94.5900, -18.2260

Conversions

Conversions Part 2

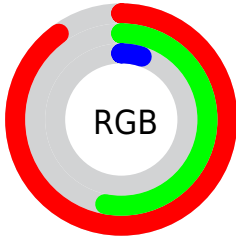
Format	Color
R _Y B	178, 229, 14
Decimal	15042574
CIE Lab	65.20, 28.41, 69.04
CIE LCh	65, 74.662, 67.631
Yxy	34.2980, 0.5127, 0.4268
Android (android.graphics.Color)	4293232654 (0xFFE5880E)
YUV	149.8990, -66.9982, 69.3716
Hunter-Lab	58.5645, 23.0895, 36.0731

Details

The Yxy color **34.2980, 0.5127, 0.4268** 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 **16.2600, 0.1747, 0.1451**, and the grayscale version is **30.7120, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.6370, 0.4521, 0.4344**, and **14.7125, 0.5370, 0.4118** is the 20% darker color. If you saturate the color by 10%, you get **32.6170, 0.5228, 0.4231**, and if you desaturate by 10%, it is **37.3211, 0.4938, 0.4294**.

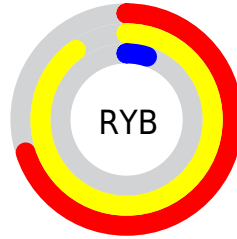
Distribution



Red (90%)

Green (53%)

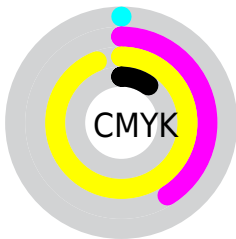
Blue (5%)



Red (70%)

Yellow (90%)

Blue (5%)

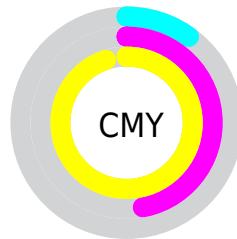


Cyan (0%)

Magenta (41%)

Yellow (94%)

Black (10%)



Cyan (10%)


Magenta (47%)


Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.2980, 0.5127, 0.4268 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 34.2980, 0.5127, 0.4268 by changing the saturation by 10% instead.


 34.2980, 0.5127,
0.4268


 34.2980, 0.5127,
0.4268


321.4588, 0.4168,
0.3915


 23.1226, 0.5318,
0.4290


 66.3968, 0.4808,
0.4186


 14.6841, 0.5535,
0.4284

 88.0890, 0.4678,
0.4141


 8.5980, 0.5775,
0.4225


 114.0557, 0.4564,
0.4097

 4.4799, 0.5974,
0.4026

 144.6811, 0.4465,
0.4055

 1.9455, 0.6281,
0.3719

 180.3498, 0.4377,
0.4016

 0.5755, 0.6943,
0.3057

 221.4460, 0.4299,

 0.0000, 1.0000,

0.3979


0.0000


 268.3542, 0.4230,
0.3946


 0.0000, 0.0000,
0.0000


 34.2980, 0.5127,
0.4268


 34.2980, 0.5127,
0.4268


 32.6170, 0.5228,
0.4231

 37.3211, 0.4938,
0.4294

 40.6969, 0.4715,
0.4266

 44.4482, 0.4473,
0.4190

 48.5935, 0.4224,
0.4077

 53.1489, 0.3982,
0.3941

■ 58.1298, 0.3754,
0.3792

■ 63.5500, 0.3544,
0.3639

■ 69.4229, 0.3356,
0.3489

■ 75.7609, 0.3188,
0.3344

Harmonies

Analogous

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



34.2980, 0.5323, 0.3506



34.2980, 0.5127, 0.4268



34.2980, 0.4390, 0.5035

Triad

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



34.2980, 0.5127, 0.4268



34.2980, 0.1663, 0.3568



34.2980, 0.2493, 0.1816

Complementary

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



34.2980, 0.5127, 0.4268



16.2600, 0.1747, 0.1451

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.



34.2980, 0.1745, 0.1688



34.2980, 0.5127, 0.4268



34.2980, 0.1336, 0.2450

Square

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



34.2980, 0.5127, 0.4268



34.2980, 0.2407, 0.4895



34.2980, 0.1375, 0.1865



34.2980, 0.3604, 0.2209

Rectangle

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



34.2980, 0.5127, 0.4268



34.2980, 0.3748, 0.5390



34.2980, 0.1375, 0.1865



34.2980, 0.2198, 0.1743

Sweetspot

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



34.2998, 0.5127, 0.4268



78.0788, 0.3631, 0.3704



18.0384, 0.5110, 0.2624



16.0770, 0.3723, 0.3771



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.



34.2998, 0.5127, 0.4268



41.4215, 0.5235, 0.4225



70.4799, 0.4073, 0.5123



15.7186, 0.3278, 0.3423



18.8890, 0.5207, 0.4247



1.5797, 0.5019, 0.4397

Inverse Universe

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



16.2600, 0.1747, 0.1451



18.4351, 0.1702, 0.1326



6.2217, 0.1547, 0.0651



14.9073, 0.2981, 0.3153



8.5709, 0.1713, 0.1365



0.8151, 0.1791, 0.1649

Previews

White Background



This preview shows how the Yxy color 34.2980, 0.5127, 0.4268 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 34.2980, 0.5127, 0.4268 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 34.2980, 0.5127, 0.4268

Background



This preview shows how black text looks on a background with the Yxy color 34.2980, 0.5127, 0.4268.



This preview shows how white text looks on a background with the Yxy color 34.2980, 0.5127, 0.4268.

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

34.2980, 0.5127, 0.4268

Protanopia

34.4379, 0.4364, 0.4828

Deuteranopia

34.5507, 0.4717, 0.4636



Tritanopia

34.1917, 0.4264, 0.3180

Trichromacy



Original Color

34.2980, 0.5127, 0.4268

Protanomaly

34.0506, 0.4645, 0.4624

Deuteranomaly

34.4176, 0.4864, 0.4504

Tritanomaly

33.8938, 0.4722, 0.3705

Monochromacy



Original Color

34.2980, 0.5127, 0.4268

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.7741, 0.3960, 0.3923

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.2980, 0.5127, 0.4268 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(229, 136, 14)` looks like.

```
.text, #text, p{  
    color:rgb(229, 136, 14)  
}
```

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(229, 136, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 136, 14) }
```

Border

The CSS property to change the border of an element to Yxy 34.2980, 0.5127, 0.4268 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(229, 136, 14) }
```

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

```
.border{ border-color:rgb(229, 136, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 136, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 136, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 136, 14);  
box-shadow:4px 4px 4px 4px rgb(229, 136,  
14) }
```


Background

The CSS property to change the background color of an element to Yxy 34.2980, 0.5127, 0.4268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 136, 14) }
```

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

```
.background{ background-color: rgb(229,  
136, 14) }
```

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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