

Converting Colors

$Y_{xy}(46.1448, 0.4380, 0.4214)$

Have a look what the booklet for
Yxy(46.1448, 0.4380, 0.4214)
contains.

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Color

Yxy(46.1448, 0.4380, 0.4214)

Conversions

Conversions Part 1

Format	Color
Hex	E3AB57
RGB	227, 171, 87
RGB Percent	89%, 67%, 34%
CMY	0.1098, 0.3294, 0.6588
CMYK	0.00, 0.25, 0.62, 0.11
HSL	36°, 71%, 62%
HSV	36°, 62%, 89%
XYZ	47.9626, 46.1448, 15.3962
YIQ	178.1680, 60.3400, -14.2520

Conversions

Conversions Part 2

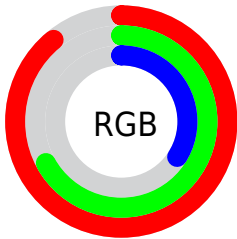
Format	Color
RYB	180, 227, 87
Decimal	14920535
CIELab	73.64, 11.69, 50.36
CIElCh	74, 51.695, 76.928
Yxy	46.1448, 0.4380, 0.4214
Android (android.graphics.Color)	4293110615 (0xFFE3AB57)
YUV	178.1680, -44.9458, 42.8257
Hunter-Lab	67.9300, 7.1541, 34.1130

Details

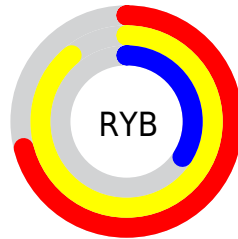
The Yxy color **46.1448, 0.4380, 0.4214** is a light color, and the websafe version is hex **CC9933**, and the color name is **sunray**. The color can be described as light muted orange. A complement of this color would be **27.2183, 0.2103, 0.2073**, and the grayscale version is **44.8346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5168, 0.3927, 0.4164**, and **21.6459, 0.4674, 0.4387** is the 20% darker color. If you saturate the color by 10%, you get **42.5191, 0.4610, 0.4306**, and if you desaturate by 10%, it is **50.1273, 0.4145, 0.4088**.

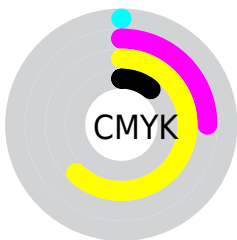
Distribution



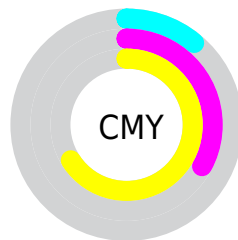
- Red (89%)
- Green (67%)
- Blue (34%)



- Red (71%)
- Yellow (89%)
- Blue (34%)



- Cyan (0%)
- Magenta (25%)
- Yellow (62%)
- Black (11%)



- Cyan (11%)
- Magenta (33%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.1448, 0.4380, 0.4214 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 46.1448, 0.4380, 0.4214 by changing the saturation by 10% instead.

 46.1448, 0.4380,
0.4214


 46.1448, 0.4380,
0.4214


371.3905, 0.3775,
0.3797


 32.3601, 0.4515,
0.4297


 84.4357, 0.4170,
0.4077


 21.6367, 0.4677,
0.4388


 109.7106, 0.4088,
0.4021

 13.5902, 0.4869,
0.4483


 139.5844, 0.4017,
0.3972

 7.8362, 0.5107,
0.4581

 174.4415, 0.3956,
0.3928

 3.9903, 0.5369,
0.4631

214.6663, 0.3902,
0.3890

 1.6681, 0.5528,
0.4472

260.6431, 0.3855,

 0.4029, 0.6239,

0.3856

0.3761

312.7564, 0.3813,
0.3825

0.0000, 0.0000,
0.0000

46.1448, 0.4380,
0.4214

46.1448, 0.4380,
0.4214

42.5191, 0.4610,
0.4306

50.1273, 0.4145,
0.4088

39.2273, 0.4822,
0.4353

54.4743, 0.3914,
0.3941

36.2534, 0.5004,
0.4347

59.2014, 0.3697,
0.3783

33.9970, 0.5132,
0.4307

64.3208, 0.3497,
0.3622

69.8442, 0.3315,
0.3465

■ 75.7827, 0.3153,
0.3314

■ 82.1467, 0.3008,
0.3173

■ 88.0386, 0.2956,
0.3175

■ 93.6276, 0.2958,
0.3267

Harmonies

Analogous

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



46.1448, 0.4567, 0.3696



46.1448, 0.4380, 0.4214



46.1448, 0.3859, 0.4574

Triad

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



46.1448, 0.4380, 0.4214



46.1448, 0.2053, 0.3258



46.1448, 0.2941, 0.2339

Complementary

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



46.1448, 0.4380, 0.4214



27.2183, 0.2103, 0.2073

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.



46.1448, 0.2332, 0.2188



46.1448, 0.4380, 0.4214



46.1448, 0.1871, 0.2624

Square

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



46.1448, 0.4380, 0.4214



46.1448, 0.2516, 0.4024



46.1448, 0.1968, 0.2271



46.1448, 0.3682, 0.2683

Rectangle

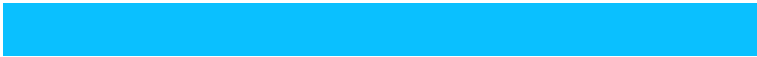
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.1448, 0.4380, 0.4214



46.1448, 0.3411, 0.4614



46.1448, 0.1968, 0.2271



46.1448, 0.2715, 0.2265

Sweetspot

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



46.1471, 0.4380, 0.4214



85.5156, 0.3448, 0.3582



25.1317, 0.4264, 0.2676



17.8735, 0.3503, 0.3628



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.



46.1471, 0.4380, 0.4214



54.1066, 0.4672, 0.4324



69.7744, 0.3881, 0.4782



15.7992, 0.3277, 0.3431



20.0608, 0.5114, 0.4321



1.6630, 0.4944, 0.4457

Inverse Universe

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



27.2183, 0.2103, 0.2073



27.6688, 0.1920, 0.1774



15.1303, 0.2018, 0.1349



14.8286, 0.2981, 0.3145



7.7918, 0.1685, 0.1267



0.7535, 0.1766, 0.1557

Previews

White Background



This preview shows how the Yxy color 46.1448, 0.4380, 0.4214 looks on a white background.

Color Contrast Check

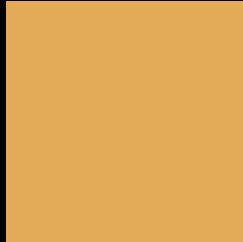
Large Text (above 18pt) WCAG AA × Fail

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 46.1448, 0.4380, 0.4214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

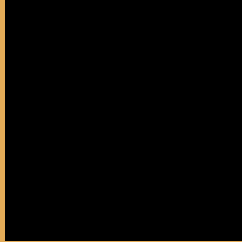
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.1448, 0.4380, 0.4214

Background



This preview shows how black text looks on a background with the Yxy color 46.1448, 0.4380, 0.4214.



This preview shows how white text looks on a background with the Yxy color 46.1448, 0.4380, 0.4214.

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

46.1448, 0.4380, 0.4214

Protanopia

46.0653, 0.4034, 0.4404

Deuteranopia

46.4226, 0.4337, 0.4247



Tritanopia

46.0382, 0.3710, 0.3144

Trichromacy



Original Color

46.1448, 0.4380, 0.4214

Protanomaly

45.8672, 0.4163, 0.4329

Deuteranomaly

46.2007, 0.4354, 0.4233

Tritanomaly

45.8522, 0.3980, 0.3558

Monochromacy



Original Color

46.1448, 0.4380, 0.4214

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

44.4400, 0.3579, 0.3681

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1448, 0.4380, 0.4214 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(227, 171, 87)` looks like.

```
.text, #text, p{  
    color:rgb(227, 171, 87)  
}
```

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(227, 171, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 171, 87) }
```

Border

The CSS property to change the border of an element to Yxy 46.1448, 0.4380, 0.4214 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(227, 171, 87) }
```

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

```
.border{ border-color:rgb(227, 171, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 171, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 171, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 171, 87);  
box-shadow:4px 4px 4px 4px rgb(227, 171,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1448, 0.4380, 0.4214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 171, 87) }
```

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

```
.background{ background-color: rgb(227,  
171, 87) }
```

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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