

Converting Colors

$Yxy(46.1517, 0.4544, 0.4441)$

Have a look what the booklet for
Yxy(46.1517, 0.4544, 0.4441)
contains.

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Color

Yxy(46.1517, 0.4544, 0.4441)

Conversions

Conversions Part 1

Format	Color
Hex	E3AC3B
RGB	227, 172, 59
RGB Percent	89%, 67%, 23%
CMY	0.1098, 0.3255, 0.7689
CMYK	0.00, 0.24, 0.74, 0.11
HSL	40°, 75%, 56%
HSV	40°, 74%, 89%
XYZ	47.2221, 46.1517, 10.5481
YIQ	175.5630, 69.0530, -23.4830

Conversions

Conversions Part 2

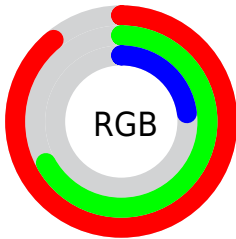
Format	Color
RYB	141, 227, 59
Decimal	14920763
CIELab	73.64, 9.61, 62.70
CIELCh	74, 63.436, 81.283
Yxy	46.1517, 0.4544, 0.4441
Android (android.graphics.Color)	4293110843 (0xFFE3AC3B)
YUV	175.5630, -57.4656, 45.1102
Hunter-Lab	67.9350, 5.1902, 38.3488

Details

The Yxy color **46.1517, 0.4544, 0.4441** is a light color, and the websafe version is hex **CC9933**. The color can be described as light washed orange. A complement of this color would be **18.4975, 0.1880, 0.1604**, and the grayscale version is **43.4528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3904, 0.4076, 0.4401**, and **21.6484, 0.4791, 0.4578** is the 20% darker color. If you saturate the color by 10%, you get **43.2180, 0.4716, 0.4491**, and if you desaturate by 10%, it is **49.3504, 0.4349, 0.4345**.

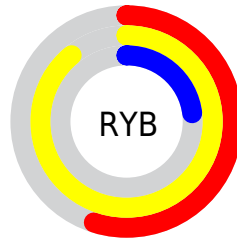
Distribution



Red (89%)

Green (67%)

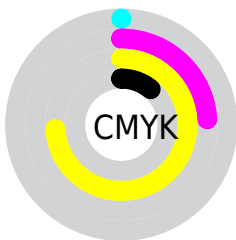
Blue (23%)



Red (55%)

Yellow (89%)

Blue (23%)

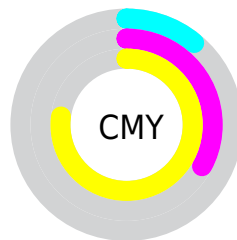


Cyan (0%)

Magenta (24%)

Yellow (74%)

Black (11%)



Cyan (11%)


Magenta (33%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.1517, 0.4544, 0.4441 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 46.1517, 0.4544, 0.4441 by changing the saturation by 10% instead.

 46.1517, 0.4544,
0.4441

 46.1517, 0.4544,
0.4441


371.4182, 0.3885,
0.3939


 32.3655, 0.4678,
0.4531


 84.4460, 0.4325,
0.4283


 21.6409, 0.4829,
0.4622


 109.7229, 0.4236,
0.4216


 13.5932, 0.4992,
0.4704


 139.5989, 0.4158,
0.4156

 7.8383, 0.5202,
0.4798

 174.4583, 0.4090,
0.4103

 3.9917, 0.5283,
0.4717

 214.6855, 0.4029,
0.4055

 1.6689, 0.5416,
0.4584

260.6650, 0.3976,

 0.4034, 0.6051,

0.4013

0.3949

312.7811, 0.3928,
0.3974

0.0000, 0.0000,
0.0000

46.1517, 0.4544,
0.4441

46.1517, 0.4544,
0.4441

43.2180, 0.4716,
0.4491

49.3504, 0.4349,
0.4345

40.5255, 0.4856,
0.4489

52.8216, 0.4142,
0.4212

39.0213, 0.4928,
0.4469

56.5801, 0.3931,
0.4054

60.6375, 0.3726,
0.3881

65.0042, 0.3532,
0.3703

■ 69.6902, 0.3353,
0.3526

■ 74.7046, 0.3189,
0.3356

■ 80.0564, 0.3041,
0.3195

■ 85.2110, 0.2955,
0.3126

Harmonies

Analogous

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



46.1517, 0.4871, 0.3822



46.1517, 0.4544, 0.4441



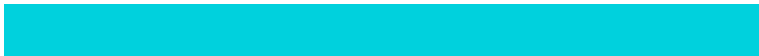
46.1517, 0.3862, 0.4885

Triad

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



46.1517, 0.4544, 0.4441



46.1517, 0.1789, 0.3097



46.1517, 0.3015, 0.2210

Complementary

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



46.1517, 0.4544, 0.4441



18.4975, 0.1880, 0.1604

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.



46.1517, 0.2258, 0.1997



46.1517, 0.4544, 0.4441



46.1517, 0.1638, 0.2385

Square

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



46.1517, 0.4544, 0.4441



46.1517, 0.2274, 0.4070



46.1517, 0.1796, 0.2038



46.1517, 0.3930, 0.2633

Rectangle

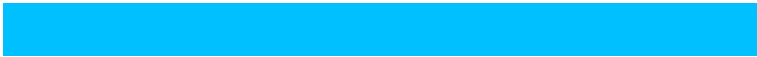
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.1517, 0.4544, 0.4441



46.1517, 0.3313, 0.4916



46.1517, 0.1796, 0.2038



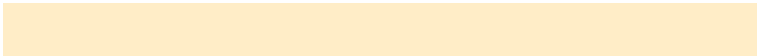
46.1517, 0.2734, 0.2113

Sweetspot

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



46.1540, 0.4544, 0.4441



85.7383, 0.3497, 0.3669



20.6914, 0.4825, 0.2747



18.0062, 0.3548, 0.3718



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.



46.1540, 0.4544, 0.4441



54.2784, 0.4798, 0.4496



67.4019, 0.3878, 0.5044



15.9804, 0.3276, 0.3448



22.9760, 0.4914, 0.4480



1.8656, 0.4783, 0.4585

Inverse Universe

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



18.4975, 0.1880, 0.1604



17.0352, 0.1702, 0.1243



10.6922, 0.1865, 0.1030



14.6537, 0.2981, 0.3127



6.3033, 0.1630, 0.1068



0.6304, 0.1711, 0.1360

Previews

White Background



This preview shows how the Yxy color 46.1517, 0.4544, 0.4441 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 46.1517, 0.4544, 0.4441 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 46.1517, 0.4544, 0.4441

Background



This preview shows how black text looks on a background with the Yxy color 46.1517, 0.4544, 0.4441.



This preview shows how white text looks on a background with the Yxy color 46.1517, 0.4544, 0.4441.

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

46.1517, 0.4544, 0.4441

Protanopia

46.4893, 0.4226, 0.4656

Deuteranopia

46.1517, 0.4544, 0.4441



Tritanopia

46.1690, 0.3729, 0.3156

Trichromacy



Original Color

46.1517, 0.4544, 0.4441

Protanomaly

46.1641, 0.4349, 0.4574

Deuteranomaly

46.1517, 0.4544, 0.4441

Tritanomaly

45.7320, 0.4085, 0.3670

Monochromacy



Original Color

46.1517, 0.4544, 0.4441

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

43.9555, 0.3675, 0.3840

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1517, 0.4544, 0.4441 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, 172, 59)` looks like.

```
.text, #text, p{  
    color:rgb(227, 172, 59)  
}
```

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, 172, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 172, 59) }
```

Border

The CSS property to change the border of an element to Yxy 46.1517, 0.4544, 0.4441 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, 172, 59) }
```

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

```
.border{ border-color:rgb(227, 172, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 172, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 172, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 172, 59);  
box-shadow:4px 4px 4px 4px rgb(227, 172,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1517, 0.4544, 0.4441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 172, 59) }
```

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

```
.background{ background-color: rgb(227,  
172, 59) }
```

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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