

Converting Colors

$Yxy(46.0326, 0.4702, 0.4512)$

Have a look what the booklet for
Yxy(46.0326, 0.4702, 0.4512)
contains.

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Color

Yxy(46.0326, 0.4702, 0.4512)

Conversions

Conversions Part 1

Format	Color
Hex	E8AA24
RGB	232, 170, 36
RGB Percent	91%, 67%, 14%
CMY	0.0902, 0.3333, 0.8591
CMYK	0.00, 0.27, 0.85, 0.09
HSL	41°, 81%, 53%
HSV	41°, 85%, 91%
XYZ	47.9710, 46.0326, 8.0190
YIQ	173.2620, 79.9660, -28.5300

Conversions

Conversions Part 2

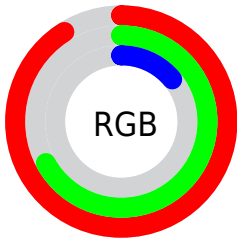
Format	Color
RYB	127, 232, 36
Decimal	15247908
CIELab	73.57, 12.03, 70.59
CIELCh	74, 71.610, 80.330
Yxy	46.0326, 0.4702, 0.4512
Android (android.graphics.Color)	4293437988 (0xFFE8AA24)
YUV	173.2620, -67.6702, 51.5132
Hunter-Lab	67.8473, 7.4745, 40.4856

Details

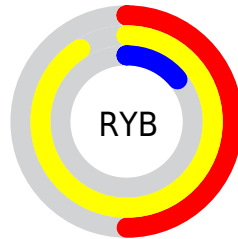
The Yxy color **46.0326, 0.4702, 0.4512** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **14.9188, 0.1743, 0.1323**, and the grayscale version is **42.2487, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9367, 0.4182, 0.4521**, and **21.6148, 0.4865, 0.4519** is the 20% darker color. If you saturate the color by 10%, you get **43.2624, 0.4836, 0.4510**, and if you desaturate by 10%, it is **49.0525, 0.4537, 0.4463**.

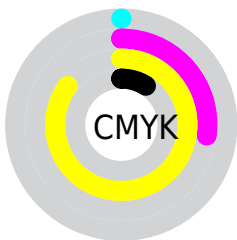
Distribution



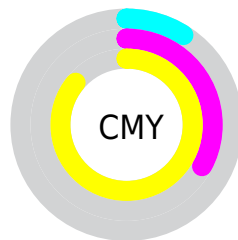
- Red (91%)
- Green (67%)
- Blue (14%)



- Red (50%)
- Yellow (91%)
- Blue (14%)



- Cyan (0%)
- Magenta (27%)
- Yellow (85%)
- Black (9%)





- Cyan (9%)
- Magenta (33%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0326, 0.4702, 0.4512 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 46.0326, 0.4702, 0.4512 by changing the saturation by 10% instead.


 46.0326, 0.4702,
0.4512


 46.0326, 0.4702,
0.4512

370.9397, 0.3988,
0.4006

 32.2715, 0.4838,
0.4590

 84.2678, 0.4471,
0.4362


 21.5690, 0.4985,
0.4661


 109.5107, 0.4375,
0.4295


 13.5405, 0.5159,
0.4731


 139.3497, 0.4290,
0.4234

 7.8018, 0.5284,
0.4716

 174.1692, 0.4215,
0.4179

 3.9684, 0.5383,
0.4617

 214.3535, 0.4149,
0.4129

 1.6559, 0.5547,
0.4453

 260.2871, 0.4089,

 0.3949, 0.6288,

0.4084

0.3712

312.3544, 0.4036,
0.4043

■ 0.0000, 0.0000,
0.0000

■ 46.0326, 0.4702,
0.4512

■ 46.0326, 0.4702,
0.4512

■ 43.2624, 0.4836,
0.4510

■ 49.0525, 0.4537,
0.4463

■ 41.8322, 0.4899,
0.4492

■ 52.3329, 0.4347,
0.4367

■ 55.8910, 0.4144,
0.4234

■ 59.7401, 0.3937,
0.4074

■ 63.8919, 0.3734,
0.3899

■ 68.3573, 0.3540,
0.3719

■ 73.1467, 0.3361,
0.3539

■ 78.2694, 0.3196,
0.3366

■ 83.7346, 0.3048,
0.3201

Harmonies

Analogous

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



46.0326, 0.5077, 0.3818



46.0326, 0.4702, 0.4512



46.0326, 0.3941, 0.5064

Triad

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



46.0326, 0.4702, 0.4512



46.0326, 0.1654, 0.3086



46.0326, 0.2962, 0.2088

Complementary

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



46.0326, 0.4702, 0.4512



14.9188, 0.1743, 0.1323

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.



46.0326, 0.2138, 0.1865



46.0326, 0.4702, 0.4512



46.0326, 0.1490, 0.2287

Square

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



46.0326, 0.4702, 0.4512



46.0326, 0.2186, 0.4215



46.0326, 0.1652, 0.1911



46.0326, 0.3996, 0.2540

Rectangle

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



46.0326, 0.4702, 0.4512



46.0326, 0.3335, 0.5150



46.0326, 0.1652, 0.1911



46.0326, 0.2652, 0.1986

Sweetspot

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



46.0349, 0.4702, 0.4512



84.3604, 0.3552, 0.3730



19.2948, 0.5250, 0.2805



17.6305, 0.3619, 0.3794



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.



46.0349, 0.4702, 0.4512



51.6788, 0.4903, 0.4489



69.5829, 0.3880, 0.5197



16.0083, 0.3275, 0.3450



23.4594, 0.4884, 0.4504



1.8986, 0.4759, 0.4603

Inverse Universe

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



14.9188, 0.1743, 0.1323



13.0487, 0.1612, 0.1003



8.4557, 0.1728, 0.0818



14.6271, 0.2981, 0.3125



6.1051, 0.1622, 0.1040



0.6133, 0.1703, 0.1331

Previews

White Background



This preview shows how the Yxy color 46.0326, 0.4702, 0.4512 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 46.0326, 0.4702, 0.4512 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 46.0326, 0.4702, 0.4512

Background



This preview shows how black text looks on a background with the Yxy color 46.0326, 0.4702, 0.4512.



This preview shows how white text looks on a background with the Yxy color 46.0326, 0.4702, 0.4512.

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

46.0326, 0.4702, 0.4512

Protanopia

46.0316, 0.4334, 0.4774

Deuteranopia

46.1204, 0.4650, 0.4558



Tritanopia

45.8813, 0.3815, 0.3158

Trichromacy



Original Color

46.0326, 0.4702, 0.4512

Protanomaly

45.8804, 0.4467, 0.4679

Deuteranomaly

45.9052, 0.4669, 0.4543

Tritanomaly

45.2257, 0.4252, 0.3749

Monochromacy



Original Color

46.0326, 0.4702, 0.4512

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

42.4044, 0.3765, 0.3935

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0326, 0.4702, 0.4512 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(232, 170, 36)` looks like.

```
.text, #text, p{  
    color:rgb(232, 170, 36)  
}
```

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(232, 170, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 170, 36) }
```

Border

The CSS property to change the border of an element to Yxy 46.0326, 0.4702, 0.4512 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(232, 170, 36) }
```

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

```
.border{ border-color:rgb(232, 170, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 170, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 170, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 170, 36);  
box-shadow:4px 4px 4px 4px rgb(232, 170,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0326, 0.4702, 0.4512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 170, 36) }
```

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

```
.background{ background-color: rgb(232,  
170, 36) }
```

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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