

Converting Colors

$Y_{xy}(47.3241, 0.4739, 0.4520)$

Have a look what the booklet for
Yxy(47.3241, 0.4739, 0.4520)
contains.

Yxy(47.4317, 0.4732, 0.4527)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.4317, 0.4732, 0.4527)

Conversions

Conversions Part 1

Format	Color
Hex	ECAC1E
RGB	236, 172, 30
RGB Percent	93%, 67%, 12%
CMY	0.0745, 0.3255, 0.8827
CMYK	0.00, 0.27, 0.87, 0.07
HSL	41°, 84%, 52%
HSV	41°, 87%, 93%
XYZ	49.5796, 47.4317, 7.7638
YIQ	174.9480, 83.7260, -30.5940

Conversions

Conversions Part 2

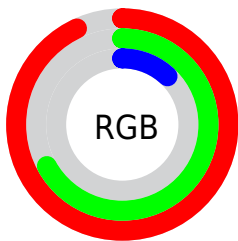
Format	Color
R _Y B	123, 236, 30
Decimal	15510558
CIE Lab	74.47, 12.56, 73.04
CIE LCh	74, 74.111, 80.245
Yxy	47.4317, 0.4732, 0.4527
Android (android.graphics.Color)	4293700638 (0xFFECAC1E)
YUV	174.9480, -71.4594, 53.5426
Hunter-Lab	68.8707, 7.9774, 41.5257

Details

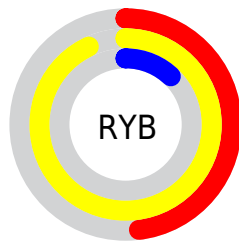
The Yxy color **47.4317, 0.4732, 0.4527** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **14.3205, 0.1709, 0.1244**, and the grayscale version is **43.1825, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9709, 0.4183, 0.4558**, and **22.5469, 0.4878, 0.4509** is the 20% darker color. If you saturate the color by 10%, you get **44.6413, 0.4854, 0.4512**, and if you desaturate by 10%, it is **50.4698, 0.4577, 0.4492**.

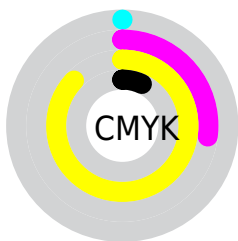
Distribution



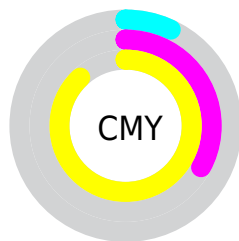
- Red (93%)
- Green (67%)
- Blue (12%)



- Red (48%)
- Yellow (93%)
- Blue (12%)



- Cyan (0%)
- Magenta (27%)
- Yellow (87%)
- Black (7%)




- Cyan (7%)
- Magenta (33%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.4317, 0.4732, 0.4527 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 47.4317, 0.4732, 0.4527 by changing the saturation by 10% instead.


 47.4317, 0.4732,
0.4527


 47.4317, 0.4732,
0.4527


376.5351, 0.4013,
0.4024


 33.3771, 0.4866,
0.4602


 86.3577, 0.4502,
0.4381

 22.4155, 0.5010,
0.4668


 111.9978, 0.4405,
0.4314

 14.1625, 0.5182,
0.4734


 142.2685, 0.4320,
0.4254

 8.2338, 0.5294,
0.4706

 177.5542, 0.4244,
0.4199

 4.2449, 0.5394,
0.4606

 218.2393, 0.4176,
0.4148

 1.8115, 0.5556,
0.4444

 264.7083, 0.4116,

 0.4943, 0.6110,

0.4103

0.3890

317.3454, 0.4062,
0.4062

■ 0.0000, 0.0000,
0.0000

■ 47.4317, 0.4732,
0.4527

■ 47.4317, 0.4732,
0.4527

■ 44.6413, 0.4854,
0.4512

■ 50.4698, 0.4577,
0.4492

■ 43.9279, 0.4884,
0.4504

■ 53.7690, 0.4396,
0.4407

■ 57.3476, 0.4198,
0.4283

■ 61.2199, 0.3993,
0.4128

■ 65.3983, 0.3789,
0.3955

69.8943, 0.3593,
0.3774

74.7187, 0.3410,
0.3592

79.8815, 0.3241,
0.3415

85.3922, 0.3088,
0.3246

Harmonies

Analogous

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



47.4317, 0.5119, 0.3818



47.4317, 0.4732, 0.4527



47.4317, 0.3953, 0.5101

Triad

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



47.4317, 0.4732, 0.4527



47.4317, 0.1624, 0.3080



47.4317, 0.2954, 0.2064

Complementary

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



47.4317, 0.4732, 0.4527



14.3205, 0.1709, 0.1244

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.



47.4317, 0.2115, 0.1838



47.4317, 0.4732, 0.4527



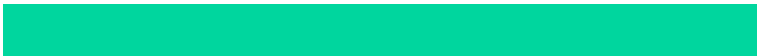
47.4317, 0.1459, 0.2265

Square

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



47.4317, 0.4732, 0.4527



47.4317, 0.2165, 0.4243



47.4317, 0.1623, 0.1884



47.4317, 0.4013, 0.2522

Rectangle

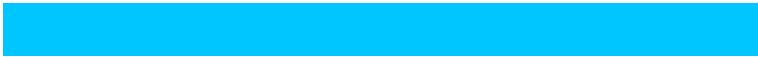
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.4317, 0.4732, 0.4527



47.4317, 0.3336, 0.5199



47.4317, 0.1623, 0.1884



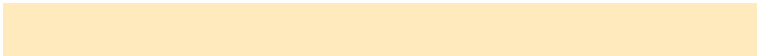
47.4317, 0.2638, 0.1961

Sweetspot

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



47.4341, 0.4732, 0.4527



84.0012, 0.3570, 0.3752



19.5872, 0.5349, 0.2822



17.5678, 0.3636, 0.3815



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.



47.4341, 0.4732, 0.4527



52.2373, 0.4888, 0.4501



72.1234, 0.3882, 0.5226



16.7919, 0.3276, 0.3452



24.4533, 0.4870, 0.4515



2.0901, 0.4754, 0.4608

Inverse Universe

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



14.3205, 0.1709, 0.1244



12.8390, 0.1608, 0.0990



8.1984, 0.1692, 0.0772



15.3120, 0.2980, 0.3123



6.1883, 0.1618, 0.1025



0.6516, 0.1694, 0.1299

Previews

White Background



This preview shows how the Yxy color 47.4317, 0.4732, 0.4527 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 47.4317, 0.4732, 0.4527 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 47.4317, 0.4732, 0.4527

Background



This preview shows how black text looks on a background with the Yxy color 47.4317, 0.4732, 0.4527.



This preview shows how white text looks on a background with the Yxy color 47.4317, 0.4732, 0.4527.

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

47.4317, 0.4732, 0.4527

Protanopia

47.6562, 0.4351, 0.4806

Deuteranopia

47.5117, 0.4683, 0.4575



Tritanopia

47.3533, 0.3826, 0.3161

Trichromacy



Original Color

47.4317, 0.4732, 0.4527

Protanomaly

47.6522, 0.4491, 0.4703

Deuteranomaly

47.2995, 0.4699, 0.4557

Tritanomaly

46.6078, 0.4286, 0.3773

Monochromacy



Original Color

47.4317, 0.4732, 0.4527

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.5476, 0.3794, 0.3964

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4317, 0.4732, 0.4527 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(236, 172, 30)` looks like.

```
.text, #text, p{  
    color:rgb(236, 172, 30)  
}
```

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(236, 172, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 172, 30) }
```

Border

The CSS property to change the border of an element to Yxy 47.4317, 0.4732, 0.4527 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(236, 172, 30) }
```

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

```
.border{ border-color:rgb(236, 172, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 172, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 172, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 172, 30);  
box-shadow:4px 4px 4px 4px rgb(236, 172,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4317, 0.4732, 0.4527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 172, 30) }
```

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

```
.background{ background-color: rgb(236,  
172, 30) }
```

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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