

Converting Colors

$Y_{xy}(47.2955, 0.4673, 0.4320)$

Have a look what the booklet for
Yxy(47.2955, 0.4673, 0.4320)
contains.

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Color

Yxy(47.4245, 0.4677, 0.4321)

Conversions

Conversions Part 1

Format	Color
Hex	F1A93E
RGB	241, 169, 62
RGB Percent	95%, 66%, 24%
CMY	0.0549, 0.3372, 0.7571
CMYK	0.00, 0.30, 0.74, 0.05
HSL	36°, 86%, 59%
HSV	36°, 74%, 95%
XYZ	51.3317, 47.4245, 10.9973
YIQ	178.3300, 77.2590, -18.0130

Conversions

Conversions Part 2

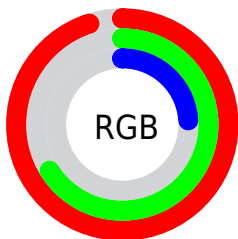
Format	Color
RYB	182, 241, 62
Decimal	15837502
CIELab	74.46, 17.26, 62.83
CIELCh	74, 65.155, 74.635
Yxy	47.4245, 0.4677, 0.4321
Android (android.graphics.Color)	4294027582 (0xFFFF1A93E)
YUV	178.3300, -57.3507, 54.9616
Hunter-Lab	68.8654, 12.5379, 38.7376

Details

The Yxy color **47.4245, 0.4677, 0.4321** 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 **24.4053, 0.1921, 0.1777**, and the grayscale version is **44.9826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8323, 0.4076, 0.4351**, and **22.4259, 0.4976, 0.4431** is the 20% darker color. If you saturate the color by 10%, you get **43.7456, 0.4883, 0.4353**, and if you desaturate by 10%, it is **51.4925, 0.4449, 0.4241**.

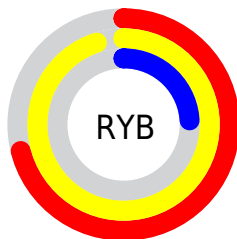
Distribution



Red (95%)

Green (66%)

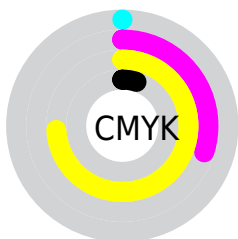
Blue (24%)



Red (71%)

Yellow (95%)

Blue (24%)

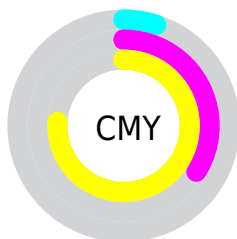


Cyan (0%)

Magenta (30%)

Yellow (74%)

Black (5%)



Cyan (5%)


Magenta (34%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.4245, 0.4677, 0.4321 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 47.4245, 0.4677, 0.4321 by changing the saturation by 10% instead.


 47.4245, 0.4677,
0.4321

 47.4245, 0.4677,
0.4321


376.5064, 0.3952,
0.3893

 33.3714, 0.4827,
0.4390


 86.3469, 0.4434,
0.4192

 22.4111, 0.4999,
0.4455

 111.9850, 0.4336,
0.4136

 14.1593, 0.5189,
0.4504


 142.2535, 0.4251,
0.4084

 8.2315, 0.5445,
0.4555

 177.5369, 0.4176,
0.4038

 4.2435, 0.5578,
0.4422

 218.2194, 0.4110,
0.3996

 1.8107, 0.5793,
0.4207

264.6856, 0.4051,

 0.4938, 0.6436,

0.3959

0.3564

317.3198, 0.3999,
0.3924

0.0000, 0.0000,
0.0000

47.4245, 0.4677,
0.4321

47.4245, 0.4677,
0.4321

43.7456, 0.4883,
0.4353

51.4925, 0.4449,
0.4241

40.4262, 0.5056,
0.4331


55.9618, 0.4212,
0.4124

38.6784, 0.5142,
0.4299


60.8521, 0.3978,
0.3981


66.1792, 0.3756,
0.3825

71.9577, 0.3549,
0.3664

 78.2014, 0.3362,
0.3506

 84.9232, 0.3194,
0.3353

 92.1355, 0.3044,
0.3209

 97.4406, 0.3041,
0.3290

Harmonies

Analogous

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



47.4245, 0.4903, 0.3683



47.4245, 0.4677, 0.4321



47.4245, 0.4043, 0.4842

Triad

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



47.4245, 0.4677, 0.4321



47.4245, 0.1847, 0.3299



47.4245, 0.2820, 0.2126

Complementary

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



47.4245, 0.4677, 0.4321



24.4053, 0.1921, 0.1777

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.



47.4245, 0.2114, 0.1964



47.4245, 0.4677, 0.4321



47.4245, 0.1623, 0.2496

Square

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



47.4245, 0.4677, 0.4321



47.4245, 0.2411, 0.4298



47.4245, 0.1716, 0.2068



47.4245, 0.3739, 0.2513

Rectangle

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



47.4245, 0.4677, 0.4321



47.4245, 0.3501, 0.4969



47.4245, 0.1716, 0.2068



47.4245, 0.2552, 0.2045

Sweetspot

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



47.4269, 0.4677, 0.4321



83.3427, 0.3506, 0.3629



23.9331, 0.4603, 0.2593



17.4384, 0.3559, 0.3672



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.



47.4269, 0.4677, 0.4321



47.8066, 0.4974, 0.4349



79.4385, 0.3990, 0.4975



17.3308, 0.3278, 0.3431



21.2459, 0.5123, 0.4315



1.9618, 0.4967, 0.4438

Inverse Universe

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



24.4053, 0.1921, 0.1777



20.7321, 0.1757, 0.1448



11.3622, 0.1775, 0.0977



16.2719, 0.2980, 0.3145



8.3172, 0.1686, 0.1270



0.8818, 0.1758, 0.1529

Previews

White Background



This preview shows how the Yxy color 47.4245, 0.4677, 0.4321 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 47.4245, 0.4677, 0.4321 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 47.4245, 0.4677, 0.4321

Background



This preview shows how black text looks on a background with the Yxy color 47.4245, 0.4677, 0.4321.



This preview shows how white text looks on a background with the Yxy color 47.4245, 0.4677, 0.4321.

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

47.4245, 0.4677, 0.4321

Protanopia

47.6535, 0.4203, 0.4625

Deuteranopia

47.4213, 0.4546, 0.4437



Tritanopia

47.3125, 0.3890, 0.3163

Trichromacy



Original Color

47.4245, 0.4677, 0.4321

Protanomaly

47.5273, 0.4369, 0.4515

Deuteranomaly

47.3344, 0.4594, 0.4391

Tritanomaly

46.8918, 0.4231, 0.3629

Monochromacy



Original Color

47.4245, 0.4677, 0.4321

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

44.8550, 0.3706, 0.3790

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4245, 0.4677, 0.4321 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(241, 169, 62)` looks like.

```
.text, #text, p{  
    color:rgb(241, 169, 62)  
}
```

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(241, 169, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 169, 62) }
```

Border

The CSS property to change the border of an element to Yxy 47.4245, 0.4677, 0.4321 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(241, 169, 62) }
```

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

```
.border{ border-color:rgb(241, 169, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 169, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 169, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 169, 62);  
box-shadow:4px 4px 4px 4px rgb(241, 169,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4245, 0.4677, 0.4321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 169, 62) }
```

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

```
.background{ background-color: rgb(241,  
169, 62) }
```

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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