

Converting Colors

$Y_{xy}(47.2848, 0.4288, 0.4277)$

Have a look what the booklet for
Yxy(47.2848, 0.4288, 0.4277)
contains.

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Color

Yxy(47.2848, 0.4288, 0.4277)

Conversions

Conversions Part 1

Format	Color
Hex	DEB058
RGB	222, 176, 88
RGB Percent	87%, 69%, 35%
CMY	0.1295, 0.3097, 0.6548
CMYK	0.00, 0.21, 0.60, 0.13
HSL	39°, 67%, 61%
HSV	39°, 60%, 87%
XYZ	47.4064, 47.2848, 15.8648
YIQ	179.7220, 55.6640, -17.6160

Conversions

Conversions Part 2

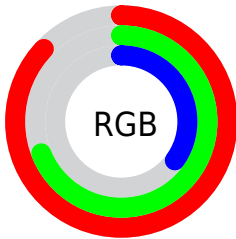
Format	Color
RYB	158, 222, 88
Decimal	14594136
CIELab	74.37, 6.99, 50.57
CIELCh	74, 51.052, 82.129
Yxy	47.2848, 0.4288, 0.4277
Android (android.graphics.Color)	4292784216 (0xFFDEB058)
YUV	179.7220, -45.2189, 37.0778
Hunter-Lab	68.7639, 2.7224, 34.4557

Details

The Yxy color **47.2848, 0.4288, 0.4277** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **24.3940, 0.2099, 0.1990**, and the grayscale version is **45.7110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3053, 0.3898, 0.4199**, and **22.4352, 0.4561, 0.4481** is the 20% darker color. If you saturate the color by 10%, you get **44.0696, 0.4495, 0.4385**, and if you desaturate by 10%, it is **50.7842, 0.4073, 0.4136**.

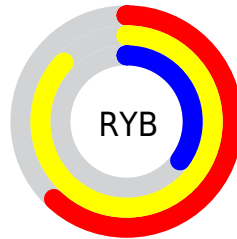
Distribution



Red (87%)

Green (69%)

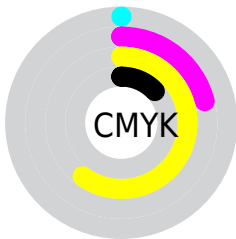
Blue (35%)



Red (62%)

Yellow (87%)

Blue (35%)

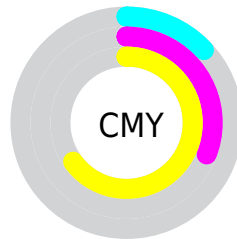


Cyan (0%)

Magenta (21%)

Yellow (60%)

Black (13%)



Cyan (13%)


Magenta (31%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.2848, 0.4288, 0.4277 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 47.2848, 0.4288, 0.4277 by changing the saturation by 10% instead.


 47.2848, 0.4288,
0.4277

 47.2848, 0.4288,
0.4277

375.9502, 0.3733,
0.3823


 33.2609, 0.4411,
0.4371


 86.1386, 0.4096,
0.4125


 22.3264, 0.4556,
0.4477


 111.7372, 0.4021,
0.4064

 14.0969, 0.4727,
0.4593


 141.9629, 0.3956,
0.4011

 8.1881, 0.4932,
0.4718

 177.1999, 0.3900,
0.3964

 4.2155, 0.5168,
0.4832

217.8328, 0.3850,
0.3922

 1.7948, 0.5263,
0.4737

264.2459, 0.3806,

 0.4840, 0.5658,

0.3886

0.4342

316.8235, 0.3767,
0.3853

0.0000, 0.0000,
0.0000

47.2848, 0.4288,
0.4277

47.2848, 0.4288,
0.4277

44.0696, 0.4495,
0.4385

50.7842, 0.4073,
0.4136

41.1184, 0.4683,
0.4450

54.5727, 0.3860,
0.3975

38.4182, 0.4844,
0.4465

58.6636, 0.3656,
0.3803

36.0260, 0.4970,
0.4436

63.0667, 0.3465,
0.3629

67.7917, 0.3290,
0.3459

■ 72.8475, 0.3132,
0.3296

■ 78.2424, 0.2991,
0.3142

■ 83.2827, 0.2924,
0.3104

■ 87.7859, 0.2926,
0.3183

Harmonies

Analogous

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



47.2848, 0.4537, 0.3784



47.2848, 0.4288, 0.4277



47.2848, 0.3738, 0.4578

Triad

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



47.2848, 0.4288, 0.4277



47.2848, 0.2022, 0.3136



47.2848, 0.3067, 0.2402

Complementary

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



47.2848, 0.4288, 0.4277



24.3940, 0.2099, 0.1990

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.



47.2848, 0.2435, 0.2217



47.2848, 0.4288, 0.4277



47.2848, 0.1890, 0.2557

Square

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



47.2848, 0.4288, 0.4277



47.2848, 0.2432, 0.3883



47.2848, 0.2032, 0.2257



47.2848, 0.3794, 0.2768

Rectangle

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



47.2848, 0.4288, 0.4277



47.2848, 0.3288, 0.4559



47.2848, 0.2032, 0.2257



47.2848, 0.2836, 0.2318

Sweetspot

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



47.2871, 0.4288, 0.4277



87.7484, 0.3425, 0.3591



24.2554, 0.4325, 0.2763



18.3876, 0.3479, 0.3642



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.



47.2871, 0.4288, 0.4277



59.4210, 0.4539, 0.4404



65.4754, 0.3816, 0.4786



15.1962, 0.3276, 0.3444



21.6181, 0.4956, 0.4447



1.6630, 0.4808, 0.4564

Inverse Universe

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



24.3940, 0.2099, 0.1990



25.7347, 0.1912, 0.1682



15.4509, 0.2095, 0.1415



14.0084, 0.2981, 0.3132



6.4034, 0.1642, 0.1111



0.6065, 0.1728, 0.1421

Previews

White Background



This preview shows how the Yxy color 47.2848, 0.4288, 0.4277 looks on a white background.

Color Contrast Check

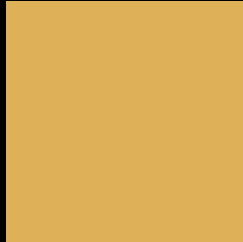
Large Text (above 18pt) WCAG AA × Fail

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 47.2848, 0.4288, 0.4277 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 47.2848, 0.4288, 0.4277

Background



This preview shows how black text looks on a background with the Yxy color 47.2848, 0.4288, 0.4277.



This preview shows how white text looks on a background with the Yxy color 47.2848, 0.4288, 0.4277.

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

47.2848, 0.4288, 0.4277

Protanopia

47.3017, 0.4048, 0.4411

Deuteranopia

47.1454, 0.4340, 0.4240



Tritanopia

47.1851, 0.3602, 0.3142

Trichromacy



Original Color

47.2848, 0.4288, 0.4277

Protanomaly

47.0654, 0.4141, 0.4360

Deuteranomaly

47.3721, 0.4323, 0.4254

Tritanomaly

46.9935, 0.3873, 0.3574

Monochromacy



Original Color

47.2848, 0.4288, 0.4277

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.9489, 0.3540, 0.3706

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2848, 0.4288, 0.4277 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(222, 176, 88)` looks like.

```
.text, #text, p{  
    color:rgb(222, 176, 88)  
}
```

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(222, 176, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 176, 88) }
```

Border

The CSS property to change the border of an element to Yxy 47.2848, 0.4288, 0.4277 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(222, 176, 88) }
```

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

```
.border{ border-color:rgb(222, 176, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 176, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 176, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 176, 88);  
box-shadow:4px 4px 4px 4px rgb(222, 176,  
88) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 47.2848, 0.4288, 0.4277$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 176, 88) }
```

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

```
.background{ background-color: rgb(222,  
176, 88) }
```

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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