

Converting Colors

$Y_{xy}(42.3879, 0.4291, 0.4170)$

Have a look what the booklet for
Yxy(42.3879, 0.4291, 0.4170)
contains.

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Color

Yxy(42.6096, 0.4294, 0.4177)

Conversions

Conversions Part 1

Format	Color
Hex	D8A65A
RGB	216, 166, 90
RGB Percent	85%, 65%, 35%
CMY	0.1529, 0.3490, 0.6469
CMYK	0.00, 0.23, 0.58, 0.15
HSL	36°, 62%, 60%
HSV	36°, 58%, 85%
XYZ	43.8031, 42.6096, 15.5973
YIQ	172.2860, 54.1960, -13.0360

Conversions

Conversions Part 2

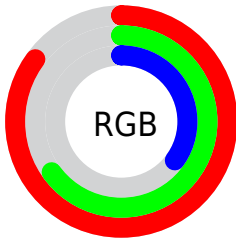
Format	Color
RYB	173, 216, 90
Decimal	14198362
CIELab	71.29, 9.97, 45.85
CIElCh	71, 46.922, 77.738
Yxy	42.6096, 0.4294, 0.4177
Android (android.graphics.Color)	4292388442 (0xFFD8A65A)
YUV	172.2860, -40.5670, 38.3372
Hunter-Lab	65.2760, 5.5484, 31.5262

Details

The Yxy color **42.6096, 0.4294, 0.4177** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **25.9029, 0.2158, 0.2150**, and the grayscale version is **41.5995, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.9259, 0.3930, 0.4091**, and **19.4569, 0.4592, 0.4359** is the 20% darker color. If you saturate the color by 10%, you get **39.2812, 0.4525, 0.4283**, and if you desaturate by 10%, it is **46.2569, 0.4061, 0.4042**.

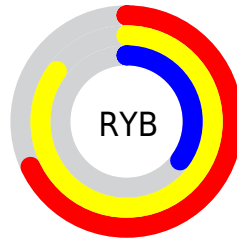
Distribution



Red (85%)

Green (65%)

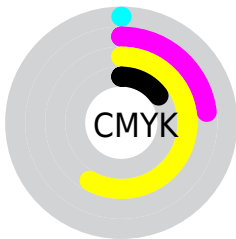
Blue (35%)



Red (68%)

Yellow (85%)

Blue (35%)

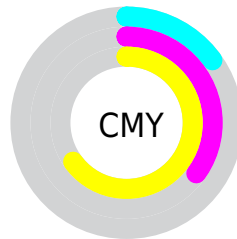


Cyan (0%)

Magenta (23%)

Yellow (58%)

Black (15%)



Cyan (15%)

Magenta (35%)

Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.6096, 0.4294, 0.4177 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 42.6096, 0.4294, 0.4177 by changing the saturation by 10% instead.


 42.6096, 0.4294,
0.4177


 42.6096, 0.4294,
0.4177


357.0038, 0.3719,
0.3764

 29.5789, 0.4427,
0.4263


 79.1214, 0.4091,
0.4038


 19.5192, 0.4588,
0.4362


 103.3713, 0.4013,
0.3982

 12.0460, 0.4783,
0.4469


 132.1298, 0.3946,
0.3934

 6.7750, 0.5030,
0.4586

 165.7811, 0.3888,
0.3891

 3.3218, 0.5324,
0.4676

204.7098, 0.3838,
0.3853

 1.3020, 0.5481,
0.4519

249.3002, 0.3793,

 0.1427, 0.7264,

0.3820

0.2736

299.9368, 0.3754,
0.3791

0.0000, 0.0000,
0.0000

42.6096, 0.4294,
0.4177

42.6096, 0.4294,
0.4177

39.2812, 0.4525,
0.4283

46.2569, 0.4061,
0.4042

36.2519, 0.4743,
0.4347

50.2292, 0.3836,
0.3890

33.5084, 0.4935,
0.4361

54.5399, 0.3625,
0.3730

31.0298, 0.5094,
0.4325

59.1996, 0.3432,
0.3569

30.6339, 0.5120,
0.4317

64.2185, 0.3258,
0.3414

■ 69.6059, 0.3102,
0.3266

■ 75.3710, 0.2964,
0.3127

■ 81.0068, 0.2886,
0.3078

■ 86.0247, 0.2890,
0.3168

Harmonies

Analogous

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



42.6096, 0.4473, 0.3696



42.6096, 0.4294, 0.4177



42.6096, 0.3804, 0.4495

Triad

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



42.6096, 0.4294, 0.4177



42.6096, 0.2112, 0.3247



42.6096, 0.2973, 0.2400

Complementary

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



42.6096, 0.4294, 0.4177



25.9029, 0.2158, 0.2150

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.



42.6096, 0.2395, 0.2253



42.6096, 0.4294, 0.4177



42.6096, 0.1943, 0.2659

Square

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



42.6096, 0.4294, 0.4177



42.6096, 0.2544, 0.3952



42.6096, 0.2042, 0.2328



42.6096, 0.3665, 0.2731

Rectangle

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



42.6096, 0.4294, 0.4177



42.6096, 0.3382, 0.4515



42.6096, 0.2042, 0.2328



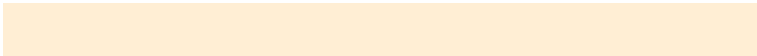
42.6096, 0.2760, 0.2329

Sweetspot

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



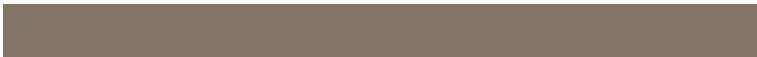
42.6117, 0.4294, 0.4177



87.0236, 0.3411, 0.3551



23.8250, 0.4166, 0.2701



18.3205, 0.3448, 0.3583



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.



42.6117, 0.4294, 0.4177



56.1288, 0.4578, 0.4302



62.6071, 0.3851, 0.4714



13.6541, 0.3276, 0.3430



18.3473, 0.5102, 0.4331



1.2663, 0.4904, 0.4488

Inverse Universe

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



25.9029, 0.2158, 0.2150



29.7560, 0.1972, 0.1860



15.1396, 0.2088, 0.1463



12.8095, 0.2982, 0.3146



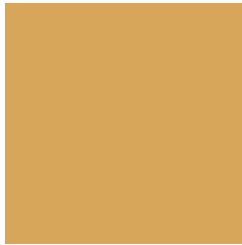
7.0472, 0.1685, 0.1264



0.5844, 0.1781, 0.1610

Previews

White Background



This preview shows how the Yxy color 42.6096, 0.4294, 0.4177 looks on a white background.

Color Contrast Check

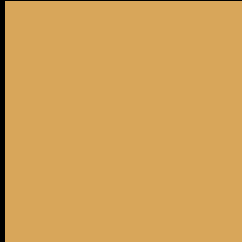
Large Text (above 18pt) WCAG AA × Fail

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 42.6096, 0.4294, 0.4177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

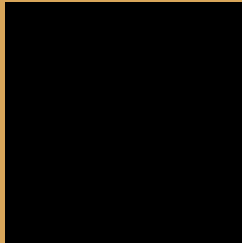
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.6096, 0.4294, 0.4177

Background



This preview shows how black text looks on a background with the Yxy color 42.6096, 0.4294, 0.4177.



This preview shows how white text looks on a background with the Yxy color 42.6096, 0.4294, 0.4177.

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

42.6096, 0.4294, 0.4177

Protanopia

42.7877, 0.3984, 0.4338

Deuteranopia

42.8227, 0.4277, 0.4192



Tritanopia

42.5081, 0.3655, 0.3149

Trichromacy



Original Color

42.6096, 0.4294, 0.4177

Protanomaly

42.6953, 0.4090, 0.4283

Deuteranomaly

42.8227, 0.4277, 0.4192

Tritanomaly

42.2507, 0.3916, 0.3534

Monochromacy



Original Color

42.6096, 0.4294, 0.4177

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.3938, 0.3544, 0.3668

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6096, 0.4294, 0.4177 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(216, 166, 90)` looks like.

```
.text, #text, p{  
    color:rgb(216, 166, 90)  
}
```

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(216, 166, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 166, 90) }
```

Border

The CSS property to change the border of an element to Yxy 42.6096, 0.4294, 0.4177 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(216, 166, 90) }
```

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

```
.border{ border-color:rgb(216, 166, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 166, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 166, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 166, 90);  
box-shadow:4px 4px 4px 4px rgb(216, 166,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6096, 0.4294, 0.4177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 166, 90) }
```

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

```
.background{ background-color: rgb(216,  
166, 90) }
```

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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