

Converting Colors

$Y_{xy}(42.7172, 0.4226, 0.4143)$

Have a look what the booklet for
Yxy(42.7172, 0.4226, 0.4143)
contains.

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Color

Yxy(42.7598, 0.4228, 0.4145)

Conversions

Conversions Part 1

Format	Color
Hex	D6A75F
RGB	214, 167, 95
RGB Percent	84%, 65%, 37%
CMY	0.1608, 0.3451, 0.6274
CMYK	0.00, 0.22, 0.56, 0.16
HSL	36°, 59%, 61%
HSV	36°, 56%, 84%
XYZ	43.6160, 42.7598, 16.7841
YIQ	172.8450, 51.1240, -12.4280

Conversions

Conversions Part 2

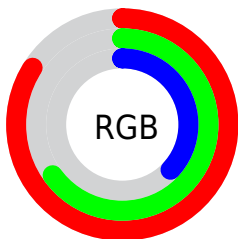
Format	Color
RYB	173, 214, 95
Decimal	14067551
CIELab	71.39, 8.97, 43.44
CIELCh	71, 44.356, 78.329
Yxy	42.7598, 0.4228, 0.4145
Android (android.graphics.Color)	4292257631 (0xFFD6A75F)
YUV	172.8450, -38.3776, 36.0929
Hunter-Lab	65.3910, 4.6260, 30.5555

Details

The Yxy color **42.7598, 0.4228, 0.4145** 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 **26.6369, 0.2201, 0.2210**, and the grayscale version is **41.8875, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6091, 0.3892, 0.4052**, and **19.5188, 0.4513, 0.4336** is the 20% darker color. If you saturate the color by 10%, you get **39.4282, 0.4460, 0.4260**, and if you desaturate by 10%, it is **46.4049, 0.3997, 0.4004**.

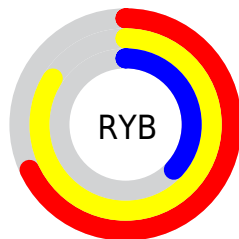
Distribution



Red (84%)

Green (65%)

Blue (37%)



Red (68%)

Yellow (84%)

Blue (37%)

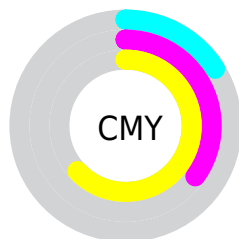


Cyan (0%)

Magenta (22%)

Yellow (56%)

Black (16%)



Cyan (16%)


Magenta (35%)


Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.7598, 0.4228, 0.4145 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 42.7598, 0.4228, 0.4145 by changing the saturation by 10% instead.


 42.7598, 0.4228,
0.4145

 42.7598, 0.4228,
0.4145


357.6230, 0.3684,
0.3743

 29.6967, 0.4355,
0.4231


 79.3483, 0.4035,
0.4008


 19.6085, 0.4511,
0.4332


 103.6424, 0.3961,
0.3953

 12.1108, 0.4701,
0.4445


 132.4490, 0.3898,
0.3906

 6.8192, 0.4936,
0.4564

 166.1525, 0.3843,
0.3865

 3.3493, 0.5279,
0.4721

205.1373, 0.3796,
0.3829

 1.3167, 0.5421,
0.4579

249.7877, 0.3754,

 0.1541, 0.7035,

0.3797

0.2965

300.4881, 0.3717,
0.3768

0.0000, 0.0000,
0.0000

42.7598, 0.4228,
0.4145

42.7598, 0.4228,
0.4145

39.4282, 0.4460,
0.4260

46.4049, 0.3997,
0.4004

36.3910, 0.4682,
0.4338

50.3688, 0.3776,
0.3848

33.6358, 0.4881,
0.4367

54.6647, 0.3571,
0.3687

31.1459, 0.5047,
0.4343

59.3025, 0.3383,
0.3527

30.1230, 0.5114,
0.4322

64.2919, 0.3214,
0.3373

■ 69.6421, 0.3063,
0.3227

■ 75.3617, 0.2930,
0.3091

■ 80.7156, 0.2874,
0.3077

■ 85.6606, 0.2878,
0.3166

Harmonies

Analogous

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



42.7598, 0.4400, 0.3692



42.7598, 0.4228, 0.4145



42.7598, 0.3762, 0.4432

Triad

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



42.7598, 0.4228, 0.4145



42.7598, 0.2158, 0.3240



42.7598, 0.2996, 0.2448

Complementary

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



42.7598, 0.4228, 0.4145



26.6369, 0.2201, 0.2210

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.



42.7598, 0.2442, 0.2304



42.7598, 0.4228, 0.4145



42.7598, 0.2000, 0.2688

Square

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



42.7598, 0.4228, 0.4145



42.7598, 0.2567, 0.3901



42.7598, 0.2099, 0.2374



42.7598, 0.3649, 0.2767

Rectangle

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



42.7598, 0.4228, 0.4145



42.7598, 0.3361, 0.4440



42.7598, 0.2099, 0.2374



42.7598, 0.2793, 0.2378

Sweetspot

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



42.7619, 0.4228, 0.4145



87.0744, 0.3411, 0.3552



24.4543, 0.4092, 0.2723



18.3325, 0.3448, 0.3584



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.



42.7619, 0.4228, 0.4145



57.6652, 0.4507, 0.4280



61.4893, 0.3825, 0.4657



13.6584, 0.3276, 0.3431



18.4159, 0.5097, 0.4335



1.2702, 0.4900, 0.4492

Inverse Universe

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



26.6369, 0.2201, 0.2210



31.4475, 0.2014, 0.1926



16.1624, 0.2143, 0.1554



12.8054, 0.2982, 0.3145



7.0059, 0.1683, 0.1258



0.5817, 0.1779, 0.1605

Previews

White Background



This preview shows how the Yxy color 42.7598, 0.4228, 0.4145 looks on a white background.

Color Contrast Check

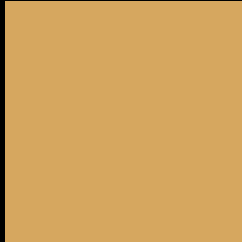
Large Text (above 18pt) WCAG AA × Fail

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 42.7598, 0.4228, 0.4145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

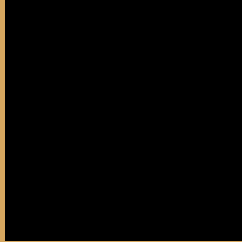
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.7598, 0.4228, 0.4145

Background



This preview shows how black text looks on a background with the Yxy color 42.7598, 0.4228, 0.4145.



This preview shows how white text looks on a background with the Yxy color 42.7598, 0.4228, 0.4145.

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

42.7598, 0.4228, 0.4145

Protanopia

42.7483, 0.3937, 0.4285

Deuteranopia

42.7598, 0.4228, 0.4145



Tritanopia

42.5716, 0.3623, 0.3148

Trichromacy



Original Color

42.7598, 0.4228, 0.4145

Protanomaly

42.6475, 0.4042, 0.4232

Deuteranomaly

42.7598, 0.4228, 0.4145

Tritanomaly

42.3783, 0.3862, 0.3511

Monochromacy



Original Color

42.7598, 0.4228, 0.4145

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.8615, 0.3514, 0.3640

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7598, 0.4228, 0.4145 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(214, 167, 95)` looks like.

```
.text, #text, p{  
    color:rgb(214, 167, 95)  
}
```

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(214, 167, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 167, 95) }
```

Border

The CSS property to change the border of an element to Yxy 42.7598, 0.4228, 0.4145 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(214, 167, 95) }
```

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

```
.border{ border-color:rgb(214, 167, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 167, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 167, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 167, 95);  
box-shadow:4px 4px 4px 4px rgb(214, 167,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7598, 0.4228, 0.4145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 167, 95) }
```

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

```
.background{ background-color: rgb(214,  
167, 95) }
```

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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