

Converting Colors

$Y_{xy}(42.3239, 0.4267, 0.4175)$

Have a look what the booklet for
Yxy(42.3239, 0.4267, 0.4175)
contains.

Yxy(42.3239, 0.4267, 0.4175)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.3239, 0.4267, 0.4175)

Conversions

Conversions Part 1

Format	Color
Hex	D6A65B
RGB	214, 166, 91
RGB Percent	84%, 65%, 36%
CMY	0.1608, 0.3490, 0.6430
CMYK	0.00, 0.22, 0.57, 0.16
HSL	37°, 60%, 60%
HSV	37°, 57%, 84%
XYZ	43.2565, 42.3239, 15.7942
YIQ	171.8020, 52.6830, -13.1490

Conversions

Conversions Part 2

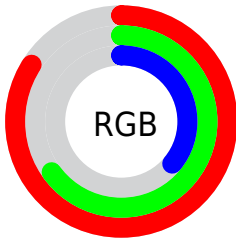
Format	Color
RYB	170, 214, 91
Decimal	14067291
CIELab	71.09, 9.19, 45.08
CIELCh	71, 46.004, 78.471
Yxy	42.3239, 0.4267, 0.4175
Android (android.graphics.Color)	4292257371 (0xFFD6A65B)
YUV	171.8020, -39.8354, 37.0076
Hunter-Lab	65.0568, 4.8359, 31.1457

Details

The Yxy color **42.3239, 0.4267, 0.4175** 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 **25.5532, 0.2169, 0.2158**, and the grayscale version is **41.3373, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.9561, 0.3923, 0.4081**, and **19.2626, 0.4559, 0.4363** is the 20% darker color. If you saturate the color by 10%, you get **39.0688, 0.4496, 0.4285**, and if you desaturate by 10%, it is **45.8856, 0.4037, 0.4037**.

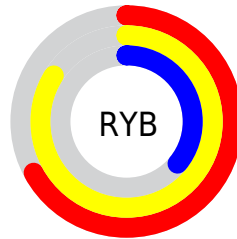
Distribution



Red (84%)

Green (65%)

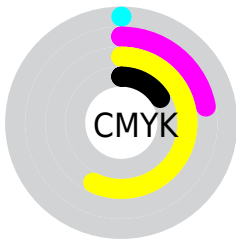
Blue (36%)



Red (67%)

Yellow (84%)

Blue (36%)

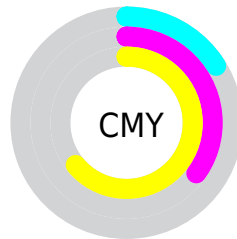


Cyan (0%)

Magenta (22%)

Yellow (57%)

Black (16%)



Cyan (16%)


Magenta (35%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.3239, 0.4267, 0.4175 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 42.3239, 0.4267, 0.4175 by changing the saturation by 10% instead.


 42.3239, 0.4267,
0.4175

 42.3239, 0.4267,
0.4175


355.8239, 0.3705,
0.3760


 29.3550, 0.4397,
0.4263


 78.6896, 0.4068,
0.4034

 19.3495, 0.4556,
0.4364


 102.8552, 0.3992,
0.3978

 11.9231, 0.4748,
0.4475


 131.5218, 0.3926,
0.3930

 6.6913, 0.4992,
0.4598

 165.0738, 0.3870,
0.3887

 3.2698, 0.5292,
0.4708

203.8956, 0.3820,
0.3849

 1.2742, 0.5440,
0.4560

248.3716, 0.3777,

 0.1211, 0.7371,

0.3816

0.2629

298.8863, 0.3739,
0.3787

■ 0.0000, 0.0000,
0.0000

■ 42.3239, 0.4267,
0.4175

■ 42.3239, 0.4267,
0.4175

■ 39.0688, 0.4496,
0.4285

■ 45.8856, 0.4037,
0.4037

■ 36.1013, 0.4712,
0.4355

■ 49.7595, 0.3815,
0.3882

■ 33.4088, 0.4904,
0.4375

■ 53.9585, 0.3607,
0.3720

■ 30.9725, 0.5062,
0.4344

■ 58.4928, 0.3416,
0.3558

■ 30.3878, 0.5100,
0.4332

■ 63.3720, 0.3244,
0.3402

■ 68.6050, 0.3090,
0.3253

■ 74.2007, 0.2953,
0.3114

■ 79.6928, 0.2873,
0.3058

■ 84.5294, 0.2877,
0.3146

Harmonies

Analogous

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



42.3239, 0.4450, 0.3704



42.3239, 0.4267, 0.4175



42.3239, 0.3780, 0.4479

Triad

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



42.3239, 0.4267, 0.4175



42.3239, 0.2121, 0.3232



42.3239, 0.2992, 0.2420

Complementary

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



42.3239, 0.4267, 0.4175



25.5532, 0.2169, 0.2158

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.



42.3239, 0.2418, 0.2270



42.3239, 0.4267, 0.4175



42.3239, 0.1960, 0.2660

Square

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



42.3239, 0.4267, 0.4175



42.3239, 0.2541, 0.3924



42.3239, 0.2064, 0.2339



42.3239, 0.3672, 0.2750

Rectangle

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



42.3239, 0.4267, 0.4175



42.3239, 0.3364, 0.4489



42.3239, 0.2064, 0.2339



42.3239, 0.2781, 0.2347

Sweetspot

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



42.3260, 0.4267, 0.4175



87.1920, 0.3411, 0.3554



23.6835, 0.4142, 0.2708



18.3604, 0.3448, 0.3586



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.



42.3260, 0.4267, 0.4175



57.0816, 0.4546, 0.4304



61.3621, 0.3842, 0.4696



13.6683, 0.3276, 0.3432



18.5758, 0.5083, 0.4346



1.2792, 0.4889, 0.4500

Inverse Universe

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



25.5532, 0.2169, 0.2158



29.9770, 0.1983, 0.1868



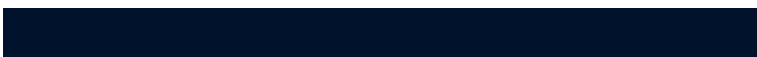
15.2460, 0.2105, 0.1492



12.7957, 0.2982, 0.3144



6.9111, 0.1679, 0.1245



0.5754, 0.1776, 0.1592

Previews

White Background



This preview shows how the Yxy color 42.3239, 0.4267, 0.4175 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 42.3239, 0.4267, 0.4175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

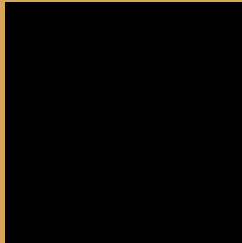
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.3239, 0.4267, 0.4175

Background



This preview shows how black text looks on a background with the Yxy color 42.3239, 0.4267, 0.4175.



This preview shows how white text looks on a background with the Yxy color 42.3239, 0.4267, 0.4175.

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

42.3239, 0.4267, 0.4175

Protanopia

42.2867, 0.3974, 0.4320

Deuteranopia

42.3239, 0.4267, 0.4175



Tritanopia

42.1942, 0.3636, 0.3148

Trichromacy



Original Color

42.3239, 0.4267, 0.4175

Protanomaly

42.1955, 0.4080, 0.4265

Deuteranomaly

42.3239, 0.4267, 0.4175

Tritanomaly

41.9701, 0.3886, 0.3523

Monochromacy



Original Color

42.3239, 0.4267, 0.4175

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.2974, 0.3525, 0.3655

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3239, 0.4267, 0.4175 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, 166, 91)` looks like.

```
.text, #text, p{  
    color:rgb(214, 166, 91)  
}
```

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, 166, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 166, 91) }
```

Border

The CSS property to change the border of an element to Yxy 42.3239, 0.4267, 0.4175 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, 166, 91) }
```

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

```
.border{ border-color:rgb(214, 166, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 166, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 166, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 166, 91);  
box-shadow:4px 4px 4px 4px rgb(214, 166,  
91) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 42.3239, 0.4267, 0.4175$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 166, 91) }
```

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

```
.background{ background-color: rgb(214,  
166, 91) }
```

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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