

Converting Colors

$Y_{xy}(35.3976, 0.4441, 0.4019)$

Have a look what the booklet for
Yxy(35.3976, 0.4441, 0.4019)
contains.

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Color

Yxy(35.5364, 0.4442, 0.4020)

Conversions

Conversions Part 1

Format	Color
Hex	D49356
RGB	212, 147, 86
RGB Percent	83%, 58%, 34%
CMY	0.1686, 0.4235, 0.6627
CMYK	0.00, 0.31, 0.59, 0.17
HSL	29°, 59%, 58%
HSV	29°, 59%, 83%
XYZ	39.2668, 35.5364, 13.5958
YIQ	159.4810, 58.3210, -5.1910

Conversions

Conversions Part 2

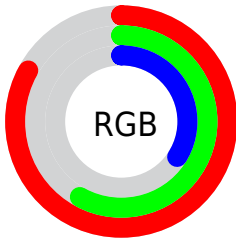
Format	Color
R _Y B	212, 204, 86
Decimal	13931350
CIE Lab	66.16, 18.24, 41.70
CIE LCh	66, 45.511, 66.380
Yxy	35.5364, 0.4442, 0.4020
Android (android.graphics.Color)	4292121430 (0xFFD49356)
YUV	159.4810, -36.2261, 46.0592
Hunter-Lab	59.6124, 13.2566, 28.2065

Details

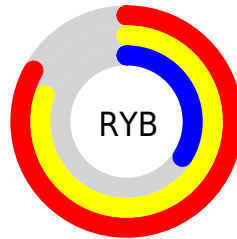
The Yxy color **35.5364, 0.4442, 0.4020** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **28.8716, 0.2194, 0.2364**, and the grayscale version is **35.0537, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8394, 0.4060, 0.3950**, and **15.3693, 0.4824, 0.4155** is the 20% darker color. If you saturate the color by 10%, you get **32.0038, 0.4725, 0.4097**, and if you desaturate by 10%, it is **39.4974, 0.4166, 0.3914**.

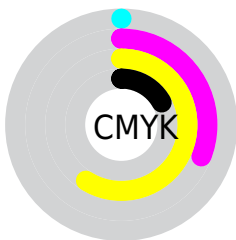
Distribution



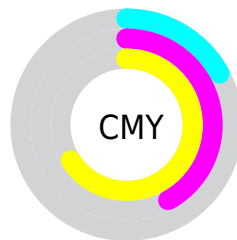
- Red (83%)
- Green (58%)
- Blue (34%)



- Red (83%)
- Yellow (80%)
- Blue (34%)



- Cyan (0%)
- Magenta (31%)
- Yellow (59%)
- Black (17%)





- Cyan (17%)
- Magenta (42%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.5364, 0.4442, 0.4020 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 35.5364, 0.4442, 0.4020 by changing the saturation by 10% instead.


 35.5364, 0.4442,
0.4020


 35.5364, 0.4442,
0.4020


326.9297, 0.3767,
0.3685

 24.0764, 0.4607,
0.4086


 68.3159, 0.4197,
0.3910

 15.3903, 0.4812,
0.4156


 90.4042, 0.4105,
0.3865


 9.0937, 0.5070,
0.4221


 116.8040, 0.4026,
0.3825

 4.8024, 0.5468,
0.4318

 147.8997, 0.3959,
0.3790

 2.1318, 0.5793,
0.4207

 184.0757, 0.3902,
0.3759

 0.6824, 0.6213,
0.3787

225.7165, 0.3851,

 0.0000, 1.0000,

0.3732

0.0000

273.2063, 0.3807,
0.3707

0.0000, 0.0000,
0.0000

35.5364, 0.4442,
0.4020

35.5364, 0.4442,
0.4020

32.0038, 0.4725,
0.4097

39.4974, 0.4166,
0.3914

28.8760, 0.5000,
0.4131

43.8982, 0.3907,
0.3791

26.1345, 0.5247,
0.4113

48.7561, 0.3672,
0.3661

23.7509, 0.5456,
0.4045

54.0860, 0.3463,
0.3530

23.6243, 0.5468,
0.4041

59.9016, 0.3279,
0.3403

■ 66.2163, 0.3119,
0.3283

■ 73.0427, 0.2979,
0.3172

■ 80.3532, 0.2861,
0.3075

■ 86.7930, 0.2867,
0.3191

Harmonies

Analogous

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



35.5364, 0.4474, 0.3503



35.5364, 0.4442, 0.4020



35.5364, 0.4039, 0.4437

Triad

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



35.5364, 0.4442, 0.4020



35.5364, 0.2221, 0.3521



35.5364, 0.2720, 0.2296

Complementary

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



35.5364, 0.4442, 0.4020



28.8716, 0.2194, 0.2364

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.



35.5364, 0.2208, 0.2226



35.5364, 0.4442, 0.4020



35.5364, 0.1945, 0.2839

Square

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



35.5364, 0.4442, 0.4020



35.5364, 0.2751, 0.4214



35.5364, 0.1944, 0.2397



35.5364, 0.3409, 0.2569

Rectangle

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



35.5364, 0.4442, 0.4020



35.5364, 0.3638, 0.4566



35.5364, 0.1944, 0.2397



35.5364, 0.2524, 0.2248

Sweetspot

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



35.5382, 0.4442, 0.4020



83.1987, 0.3439, 0.3514



22.8935, 0.3973, 0.2521



17.2765, 0.3497, 0.3552



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.



35.5382, 0.4442, 0.4020



47.4501, 0.4790, 0.4109



60.7178, 0.3978, 0.4657



13.4030, 0.3279, 0.3403



14.7821, 0.5445, 0.4059



1.0569, 0.5173, 0.4275

Inverse Universe

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



28.8716, 0.2194, 0.2364



36.4435, 0.2032, 0.2131



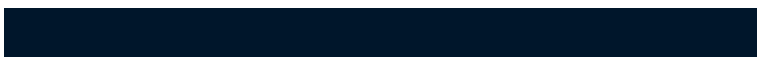
13.7306, 0.1984, 0.1417



13.0578, 0.2982, 0.3174



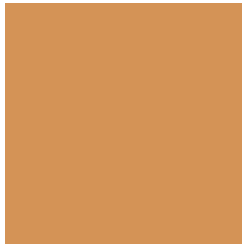
9.9383, 0.1789, 0.1641



0.7649, 0.1874, 0.1947

Previews

White Background



This preview shows how the Yxy color 35.5364, 0.4442, 0.4020 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 35.5364, 0.4442, 0.4020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

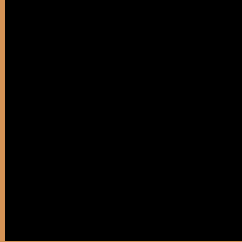
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.5364, 0.4442, 0.4020

Background



This preview shows how black text looks on a background with the Yxy color 35.5364, 0.4442, 0.4020.



This preview shows how white text looks on a background with the Yxy color 35.5364, 0.4442, 0.4020.

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

35.5364, 0.4442, 0.4020

Protanopia

35.5922, 0.3929, 0.4268

Deuteranopia

35.7728, 0.4251, 0.4168



Tritanopia

35.4190, 0.3865, 0.3157

Trichromacy



Original Color

35.5364, 0.4442, 0.4020

Protanomaly

35.4454, 0.4118, 0.4179

Deuteranomaly

35.4856, 0.4326, 0.4112

Tritanomaly

35.3254, 0.4089, 0.3478

Monochromacy



Original Color

35.5364, 0.4442, 0.4020

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

34.5736, 0.3585, 0.3620

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.5364, 0.4442, 0.4020 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(212, 147, 86)` looks like.

```
.text, #text, p{  
    color:rgb(212, 147, 86)  
}
```

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(212, 147, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 147, 86) }
```

Border

The CSS property to change the border of an element to Yxy 35.5364, 0.4442, 0.4020 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(212, 147, 86) }
```

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

```
.border{ border-color:rgb(212, 147, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 147, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 147, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 147, 86);  
box-shadow:4px 4px 4px 4px rgb(212, 147,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 35.5364, 0.4442, 0.4020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 147, 86) }
```

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

```
.background{ background-color: rgb(212,  
147, 86) }
```

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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