

Converting Colors

$Y_{xy}(35.6437, 0.4258, 0.4130)$

Have a look what the booklet for
Yxy(35.6437, 0.4258, 0.4130)
contains.

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Color

Yxy(35.6127, 0.4252, 0.4130)

Conversions

Conversions Part 1

Format	Color
Hex	C79957
RGB	199, 153, 87
RGB Percent	78%, 60%, 34%
CMY	0.2196, 0.4000, 0.6589
CMYK	0.00, 0.23, 0.56, 0.22
HSL	35°, 50%, 56%
HSV	35°, 56%, 78%
XYZ	36.6647, 35.6127, 13.9519
YIQ	159.2300, 48.6020, -10.7740

Conversions

Conversions Part 2

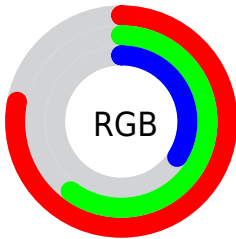
Format	Color
RYB	165, 199, 87
Decimal	13080919
CIELab	66.22, 9.57, 40.93
CIELCh	66, 42.037, 76.845
Yxy	35.6127, 0.4252, 0.4130
Android (android.graphics.Color)	4291270999 (0xFFC79957)
YUV	159.2300, -35.6094, 34.8783
Hunter-Lab	59.6764, 5.2353, 27.9119

Details

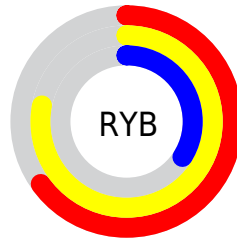
The Yxy color **35.6127, 0.4252, 0.4130** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **22.9159, 0.2200, 0.2229**, and the grayscale version is **34.9312, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.7206, 0.4023, 0.3998**, and **15.3935, 0.4567, 0.4324** is the 20% darker color. If you saturate the color by 10%, you get **32.7489, 0.4489, 0.4240**, and if you desaturate by 10%, it is **38.7528, 0.4017, 0.3994**.

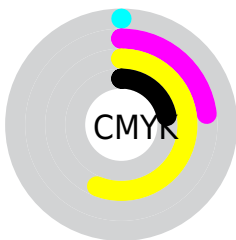
Distribution



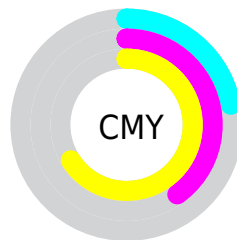
- Red (78%)
- Green (60%)
- Blue (34%)



- Red (65%)
- Yellow (78%)
- Blue (34%)



- Cyan (0%)
- Magenta (23%)
- Yellow (56%)
- Black (22%)





- Cyan (22%)
- Magenta (40%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.6127, 0.4252, 0.4130 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 35.6127, 0.4252, 0.4130 by changing the saturation by 10% instead.


 35.6127, 0.4252,
0.4130


 35.6127, 0.4252,
0.4130

327.2645, 0.3678,
0.3724


 24.1352, 0.4391,
0.4219


 68.4339, 0.4044,
0.3990

 15.4340, 0.4564,
0.4323

 90.5463, 0.3966,
0.3934


 9.1245, 0.4779,
0.4438


 116.9726, 0.3899,
0.3887

 4.8225, 0.5107,
0.4607

 148.0970, 0.3842,
0.3845

 2.1435, 0.5372,
0.4628

 184.3041, 0.3793,
0.3809

 0.6889, 0.5635,
0.4365

225.9781, 0.3750,

 0.0000, 0.0000,

0.3777

0.0000

273.5034, 0.3712,
0.3749

■ 35.6127, 0.4252,
0.4130

■ 35.6127, 0.4252,
0.4130

■ 32.7489, 0.4489,
0.4240

■ 38.7528, 0.4017,
0.3994

■ 30.1450, 0.4716,
0.4312

■ 42.1742, 0.3793,
0.3843

■ 27.7901, 0.4921,
0.4337

■ 45.8883, 0.3584,
0.3686

■ 25.6692, 0.5093,
0.4308

■ 49.9038, 0.3395,
0.3531

■ 24.9341, 0.5153,
0.4290

■ 54.2292, 0.3225,
0.3381

■ 58.8726, 0.3073,
0.3238

■ 63.8416, 0.2939,
0.3106

■ 69.1436, 0.2821,
0.2983

■ 74.0515, 0.2777,
0.2983

Harmonies

Analogous

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



35.6127, 0.4407, 0.3670



35.6127, 0.4252, 0.4130



35.6127, 0.3794, 0.4433

Triad

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



35.6127, 0.4252, 0.4130



35.6127, 0.2166, 0.3272



35.6127, 0.2963, 0.2431

Complementary

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



35.6127, 0.4252, 0.4130



22.9159, 0.2200, 0.2229

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.



35.6127, 0.2415, 0.2296



35.6127, 0.4252, 0.4130



35.6127, 0.1995, 0.2705

Square

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



35.6127, 0.4252, 0.4130



35.6127, 0.2589, 0.3936



35.6127, 0.2082, 0.2377



35.6127, 0.3621, 0.2744

Rectangle

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



35.6127, 0.4252, 0.4130



35.6127, 0.3393, 0.4455



35.6127, 0.2082, 0.2377



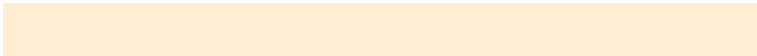
35.6127, 0.2761, 0.2364

Sweetspot

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



35.6144, 0.4252, 0.4130



86.6806, 0.3412, 0.3545



20.6661, 0.4074, 0.2695



18.2394, 0.3449, 0.3577



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.



35.6144, 0.4252, 0.4130



56.0625, 0.4552, 0.4264



52.4411, 0.3846, 0.4658



11.6585, 0.3275, 0.3426



16.2084, 0.5137, 0.4304



0.9076, 0.4889, 0.4500

Inverse Universe

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



22.9159, 0.2200, 0.2229



31.7119, 0.2009, 0.1939



13.4391, 0.2119, 0.1533



10.9908, 0.2983, 0.3150



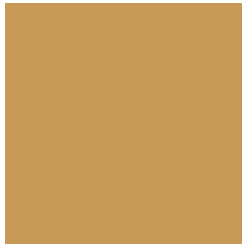
6.6669, 0.1697, 0.1310



0.4576, 0.1814, 0.1730

Previews

White Background



This preview shows how the Yxy color 35.6127, 0.4252, 0.4130 looks on a white background.

Color Contrast Check

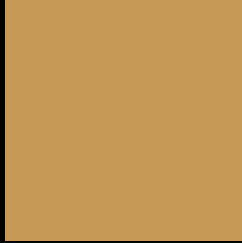
Large Text (above 18pt) WCAG AA × Fail

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 35.6127, 0.4252, 0.4130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

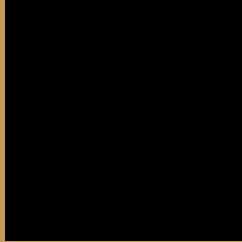
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.6127, 0.4252, 0.4130

Background



This preview shows how black text looks on a background with the Yxy color 35.6127, 0.4252, 0.4130.



This preview shows how white text looks on a background with the Yxy color 35.6127, 0.4252, 0.4130.

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

35.6127, 0.4252, 0.4130

Protanopia

35.5750, 0.3937, 0.4280

Deuteranopia

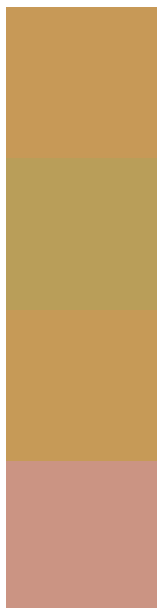
35.6696, 0.4223, 0.4150



Tritanopia

35.6302, 0.3652, 0.3151

Trichromacy



Original Color

35.6127, 0.4252, 0.4130

Protanomaly

35.4893, 0.4050, 0.4223

Deuteranomaly

35.8051, 0.4233, 0.4146

Tritanomaly

35.5150, 0.3889, 0.3513

Monochromacy



Original Color

35.6127, 0.4252, 0.4130

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

34.8061, 0.3527, 0.3638

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6127, 0.4252, 0.4130 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(199, 153, 87)` looks like.

```
.text, #text, p{  
    color:rgb(199, 153, 87)  
}
```

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(199, 153, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 153, 87) }
```

Border

The CSS property to change the border of an element to Yxy 35.6127, 0.4252, 0.4130 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(199, 153, 87) }
```

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

```
.border{ border-color:rgb(199, 153, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 153, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 153, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 153, 87);  
box-shadow:4px 4px 4px 4px rgb(199, 153,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6127, 0.4252, 0.4130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 153, 87) }
```

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

```
.background{ background-color: rgb(199,  
153, 87) }
```

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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