

Converting Colors

$Y_{xy}(25.4020, 0.4389, 0.4507)$

Have a look what the booklet for
Yxy(25.4020, 0.4389, 0.4507)
contains.

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Color

Yxy(25.3544, 0.4397, 0.4506)

Conversions

Conversions Part 1

Format	Color
Hex	A6862E
RGB	166, 134, 46
RGB Percent	65%, 53%, 18%
CMY	0.3491, 0.4745, 0.8197
CMYK	0.00, 0.19, 0.72, 0.35
HSL	44°, 57%, 42%
HSV	44°, 72%, 65%
XYZ	24.7411, 25.3544, 6.1726
YIQ	133.5360, 47.3200, -20.5840

Conversions

Conversions Part 2

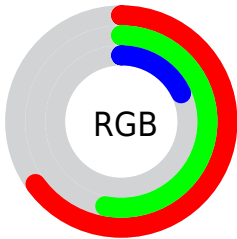
Format	Color
R_{YB}	90, 166, 46
Decimal	10913326
CIE _{Lab}	57.42, 2.79, 49.75
CIE _{LCh}	57, 49.832, 86.793
Yxy	25.3544, 0.4397, 0.4506
Android (android.graphics.Color)	4289103406 (0xFFA6862E)
YUV	133.5360, -43.1552, 28.4709
Hunter-Lab	50.3532, -0.4118, 27.9791

Details

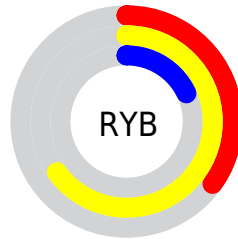
The Yxy color **25.3544, 0.4397, 0.4506** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **8.7751, 0.1892, 0.1548**, and the grayscale version is **23.8087, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.2510, 0.4165, 0.4295**, and **9.8120, 0.4637, 0.4700** is the 20% darker color. If you saturate the color by 10%, you get **24.0520, 0.4548, 0.4581**, and if you desaturate by 10%, it is **26.7610, 0.4225, 0.4389**.

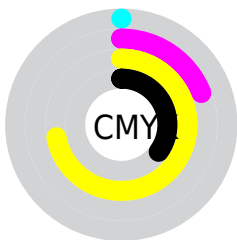
Distribution



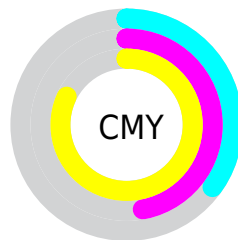
- Red (65%)
- Green (53%)
- Blue (18%)



- Red (35%)
- Yellow (65%)
- Blue (18%)



- Cyan (0%)
- Magenta (19%)
- Yellow (72%)
- Black (35%)



- Cyan (35%)
- Magenta (47%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.3544, 0.4397, 0.4506 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 25.3544, 0.4397, 0.4506 by changing the saturation by 10% instead.


 25.3544, 0.4397,
0.4506


 25.3544, 0.4397,
0.4506

279.5983, 0.3743,
0.3892


 16.3413, 0.4545,
0.4638


 52.2316, 0.4165,
0.4292

 9.7660, 0.4712,
0.4782


 70.8644, 0.4075,
0.4208


 5.2441, 0.4984,
0.5016

 93.4727, 0.3998,
0.4136

 2.3912, 0.5017,
0.4983

 120.4407, 0.3932,
0.4073

 0.8213, 0.5082,
0.4918

 152.1529, 0.3875,
0.4019

 0.0000, 0.0000,
0.0000

 188.9936, 0.3825,

0.3971

231.3473, 0.3782,
0.3929

■ 25.3544, 0.4397,
0.4506

■ 25.3544, 0.4397,
0.4506

■ 24.0520, 0.4548,
0.4581

■ 26.7610, 0.4225,
0.4389

■ 22.8433, 0.4671,
0.4610

■ 28.2739, 0.4040,
0.4240

■ 21.9655, 0.4753,
0.4608

■ 29.8995, 0.3851,
0.4068

■ 31.6426, 0.3664,
0.3884

■ 33.5074, 0.3485,
0.3696

■ 35.4979, 0.3316,
0.3510

■ 37.6180, 0.3161,
0.3330

■ 39.8711, 0.3019,
0.3160

■ 42.2608, 0.2891,
0.3001

Harmonies

Analogous

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



25.3544, 0.4784, 0.3927



25.3544, 0.4397, 0.4506



25.3544, 0.3701, 0.4856

Triad

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



25.3544, 0.4397, 0.4506



25.3544, 0.1785, 0.2958



25.3544, 0.3179, 0.2308

Complementary

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



25.3544, 0.4397, 0.4506



8.7751, 0.1892, 0.1548

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.



25.3544, 0.2405, 0.2060



25.3544, 0.4397, 0.4506



25.3544, 0.1693, 0.2335

Square

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



25.3544, 0.4397, 0.4506



25.3544, 0.2199, 0.3865



25.3544, 0.1901, 0.2054



25.3544, 0.4052, 0.2751

Rectangle

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



25.3544, 0.4397, 0.4506



25.3544, 0.3164, 0.4799



25.3544, 0.1901, 0.2054



25.3544, 0.2897, 0.2200

Sweetspot

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



25.3556, 0.4397, 0.4506



60.7879, 0.3487, 0.3698



10.6075, 0.4887, 0.2868



13.4023, 0.3532, 0.3747



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



25.3556, 0.4397, 0.4506



42.2565, 0.4629, 0.4605



32.8648, 0.3780, 0.5048



8.4306, 0.3268, 0.3455



17.1167, 0.4746, 0.4613



0.4936, 0.4529, 0.4786

Inverse Universe

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



8.7751, 0.1892, 0.1548



10.7544, 0.1688, 0.1154



6.1603, 0.1995, 0.1151



7.6136, 0.2986, 0.3120



3.6126, 0.1597, 0.0950



0.1699, 0.1778, 0.1600

Previews

White Background



This preview shows how the Yxy color 25.3544, 0.4397, 0.4506 looks on a white background.

Color Contrast Check

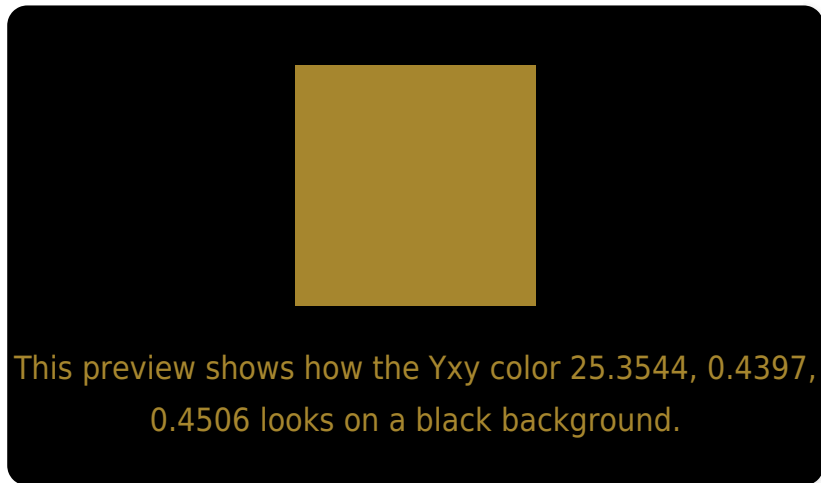
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

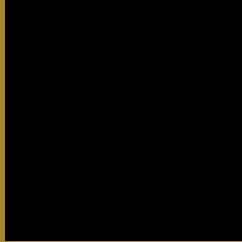
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.3544, 0.4397, 0.4506

Background



This preview shows how black text looks on a background with the Yxy color 25.3544, 0.4397, 0.4506.



This preview shows how white text looks on a background with the Yxy color 25.3544, 0.4397, 0.4506.

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

25.3544, 0.4397, 0.4506

Protanopia

25.2522, 0.4204, 0.4630

Deuteranopia

25.3221, 0.4506, 0.4412



Tritanopia

25.1872, 0.3582, 0.3141

Trichromacy



Original Color

25.3544, 0.4397, 0.4506

Protanomaly

25.3657, 0.4263, 0.4590

Deuteranomaly

25.2538, 0.4460, 0.4444

Tritanomaly

24.9637, 0.3936, 0.3674

Monochromacy



Original Color

25.3544, 0.4397, 0.4506

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

24.1205, 0.3620, 0.3833

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.3544, 0.4397, 0.4506 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(166, 134, 46)` looks like.

```
.text, #text, p{  
    color:rgb(166, 134, 46)  
}
```

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(166, 134, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 134, 46) }
```

Border

The CSS property to change the border of an element to Yxy 25.3544, 0.4397, 0.4506 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(166, 134, 46) }
```

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

```
.border{ border-color:rgb(166, 134, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 134, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 134, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 134, 46);  
box-shadow:4px 4px 4px 4px rgb(166, 134,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 25.3544, 0.4397, 0.4506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 134, 46) }
```

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

```
.background{ background-color: rgb(166,  
134, 46) }
```

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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