

Converting Colors

Yxy(52.1818, 0.3946, 0.4397)

Have a look what the booklet for
Yxy(52.1818, 0.3946, 0.4397)
contains.

Yxy(52.1818, 0.3946, 0.4397)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(52.1818, 0.3946, 0.4397)

Conversions

Conversions Part 1

Format	Color
Hex	CEC164
RGB	206, 193, 100
RGB Percent	81%, 76%, 39%
CMY	0.1921, 0.2432, 0.6078
CMYK	0.00, 0.06, 0.51, 0.19
HSL	53°, 52%, 60%
HSV	53°, 51%, 81%
XYZ	46.8295, 52.1818, 19.6646
YIQ	186.2850, 37.6010, -26.1670

Conversions

Conversions Part 2

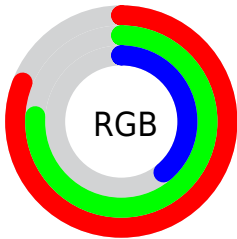
Format	Color
RYB	115, 206, 100
Decimal	13549924
CIELab	77.39, -7.63, 47.97
CIELCh	77, 48.569, 99.040
Yxy	52.1818, 0.3946, 0.4397
Android (android.graphics.Color)	4291740004 (0xFFCEC164)
YUV	186.2850, -42.5385, 17.2901
Hunter-Lab	72.2370, -10.6974, 34.4258

Details

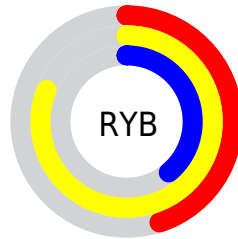
The Yxy color **52.1818, 0.3946, 0.4397** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **18.9884, 0.2183, 0.1858**, and the grayscale version is **49.5021, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.3113, 0.3749, 0.4234**, and **25.3675, 0.4110, 0.4670** is the 20% darker color. If you saturate the color by 10%, you get **50.7244, 0.4090, 0.4570**, and if you desaturate by 10%, it is **53.7640, 0.3789, 0.4198**.

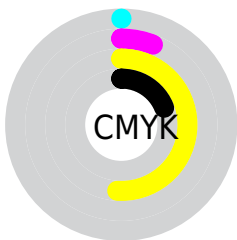
Distribution



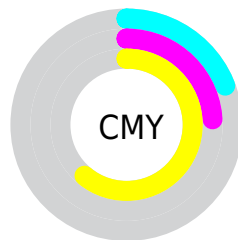
- Red (81%)
- Green (76%)
- Blue (39%)



- Red (45%)
- Yellow (81%)
- Blue (39%)



- Cyan (0%)
- Magenta (6%)
- Yellow (51%)
- Black (19%)





- Cyan (19%)
- Magenta (24%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.1818, 0.3946, 0.4397 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 52.1818, 0.3946, 0.4397 by changing the saturation by 10% instead.


 52.1818, 0.3946,
0.4397


 52.1818, 0.3946,
0.4397


395.1381, 0.3567,
0.3864


 37.1500, 0.4026,
0.4518


 93.3993, 0.3818,
0.4211


 25.3237, 0.4120,
0.4664


 120.3538, 0.3767,
0.4139

 16.3184, 0.4227,
0.4842


 152.0513, 0.3723,
0.4077

 9.7497, 0.4341,
0.5054

 188.8762, 0.3684,
0.4023

 5.2333, 0.4562,
0.5438

231.2130, 0.3649,
0.3976

 2.3848, 0.4466,
0.5534

279.4459, 0.3619,

 0.8181, 0.4195,

0.3934

0.5805

333.9595, 0.3592,
0.3897

■ 0.0000, 0.0000,
0.0000

■ 52.1818, 0.3946,
0.4397

■ 52.1818, 0.3946,
0.4397

■ 50.7244, 0.4090,
0.4570

■ 53.7640, 0.3789,
0.4198

■ 49.3768, 0.4215,
0.4707

■ 55.4709, 0.3625,
0.3982

■ 48.1325, 0.4314,
0.4802

■ 57.3113, 0.3461,
0.3759

■ 46.9806, 0.4386,
0.4851

■ 59.2912, 0.3301,
0.3537

■ 46.0531, 0.4429,
0.4865

■ 61.4160, 0.3148,
0.3321

■ 63.6910, 0.3006,
0.3115

■ 66.1211, 0.2875,
0.2922

■ 68.0609, 0.2811,
0.2840

■ 69.3466, 0.2813,
0.2868

Harmonies

Analogous

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



52.1818, 0.4346, 0.4028



52.1818, 0.3946, 0.4397



52.1818, 0.3349, 0.4467

Triad

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



52.1818, 0.3946, 0.4397



52.1818, 0.1997, 0.2823



52.1818, 0.3455, 0.2639

Complementary

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



52.1818, 0.3946, 0.4397



18.9884, 0.2183, 0.1858

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.



52.1818, 0.2798, 0.2363



52.1818, 0.3946, 0.4397



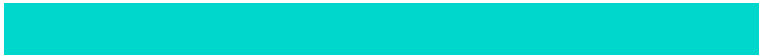
52.1818, 0.2018, 0.2424

Square

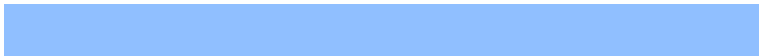
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



52.1818, 0.3946, 0.4397



52.1818, 0.2239, 0.3447



52.1818, 0.2293, 0.2280



52.1818, 0.4070, 0.3055

Rectangle

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



52.1818, 0.3946, 0.4397



52.1818, 0.2925, 0.4271



52.1818, 0.2293, 0.2280



52.1818, 0.3229, 0.2528

Sweetspot

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



52.1842, 0.3946, 0.4397



94.8141, 0.3360, 0.3619



23.4616, 0.4392, 0.3117



20.1474, 0.3394, 0.3667



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.



52.1842, 0.3946, 0.4397



81.8648, 0.4108, 0.4590



53.3073, 0.3543, 0.4681



12.8522, 0.3269, 0.3492



28.4471, 0.4425, 0.4868



1.5353, 0.4374, 0.4909

Inverse Universe

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



18.9884, 0.2183, 0.1858



22.3229, 0.1964, 0.1499



19.0546, 0.2482, 0.1796



11.0624, 0.2982, 0.3080



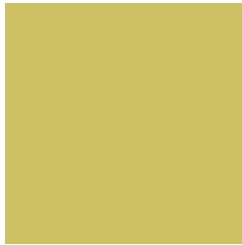
3.2575, 0.1528, 0.0699



0.2436, 0.1601, 0.0963

Previews

White Background



This preview shows how the Yxy color 52.1818, 0.3946, 0.4397 looks on a white background.

Color Contrast Check

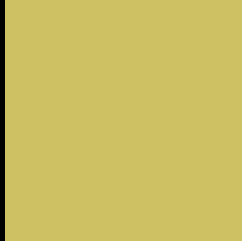
Large Text (above 18pt) WCAG AA × Fail

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 52.1818, 0.3946, 0.4397 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

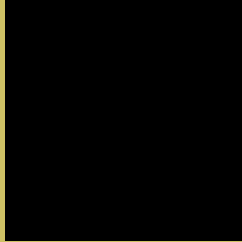
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.1818, 0.3946, 0.4397

Background



This preview shows how black text looks on a background with the Yxy color 52.1818, 0.3946, 0.4397.



This preview shows how white text looks on a background with the Yxy color 52.1818, 0.3946, 0.4397.

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

52.1818, 0.3946, 0.4397

Protanopia

52.0113, 0.4009, 0.4368

Deuteranopia

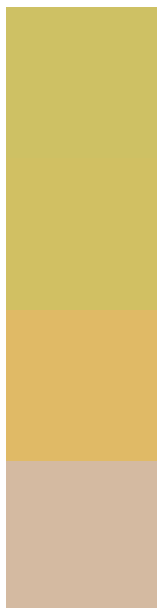
51.9276, 0.4246, 0.4151



Tritanopia

52.0403, 0.3306, 0.3127

Trichromacy



Original Color

52.1818, 0.3946, 0.4397

Protanomaly

52.1554, 0.3985, 0.4386

Deuteranomaly

51.9244, 0.4137, 0.4237

Tritanomaly

51.6881, 0.3556, 0.3594

Monochromacy



Original Color

52.1818, 0.3946, 0.4397

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

50.0992, 0.3429, 0.3726

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.1818, 0.3946, 0.4397 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(206, 193, 100)` looks like.

```
.text, #text, p{  
    color:rgb(206, 193, 100)  
}
```

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(206, 193, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 193, 100) }
```

Border

The CSS property to change the border of an element to Yxy 52.1818, 0.3946, 0.4397 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(206, 193, 100) }
```

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

```
.border{ border-color:rgb(206, 193, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 193, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 193, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 193, 100);  
box-shadow:4px 4px 4px 4px rgb(206, 193,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 52.1818, 0.3946, 0.4397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 193, 100) }
```

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

```
.background{ background-color: rgb(206,  
193, 100) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor