

Converting Colors

$Y_{xy}(51.1874, 0.4213, 0.5023)$

Have a look what the booklet for
Yxy(51.1874, 0.4213, 0.5023)
contains.

Yxy(51.0491, 0.4214, 0.5022)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(51.0491, 0.4214, 0.5022)

Conversions

Conversions Part 1

Format	Color
Hex	C6C306
RGB	198, 195, 6
RGB Percent	78%, 76%, 2%
CMY	0.2235, 0.2353, 0.9766
CMYK	0.00, 0.02, 0.97, 0.22
HSL	59°, 94%, 40%
HSV	59°, 97%, 78%
XYZ	42.8357, 51.0491, 7.7661
YIQ	174.3510, 62.4570, -58.1430

Conversions

Conversions Part 2

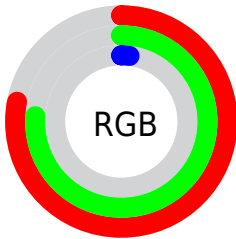
Format	Color
R_{YB}	9, 198, 6
Decimal	13026054
CIE _{Lab}	76.71, -16.26, 76.90
CIE _{LCh}	77, 78.600, 101.938
Yxy	51.0491, 0.4214, 0.5022
Android (android.graphics.Color)	4291216134 (0xFFC6C306)
YUV	174.3510, -82.9970, 20.7402
Hunter-Lab	71.4487, -18.0188, 43.5695

Details

The Yxy color **51.0491, 0.4214, 0.5022** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **4.3096, 0.1516, 0.0630**, and the grayscale version is **42.9277, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8945, 0.4069, 0.4782**, and **24.8350, 0.4157, 0.5081** is the 20% darker color. If you saturate the color by 10%, you get **50.9969, 0.4221, 0.5031**, and if you desaturate by 10%, it is **51.2502, 0.4185, 0.4981**.

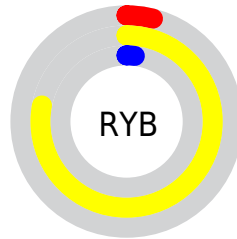
Distribution



Red (78%)

Green (76%)

Blue (2%)



Red (4%)

Yellow (78%)

Blue (2%)

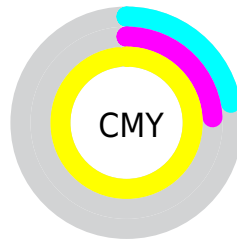


Cyan (0%)

Magenta (2%)

Yellow (97%)

Black (22%)



Cyan (22%)


Magenta (24%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.0491, 0.4214, 0.5022 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 51.0491, 0.4214, 0.5022 by changing the saturation by 10% instead.


 51.0491, 0.4214,
0.5022

 51.0491, 0.4214,
0.5022

390.7545, 0.3778,
0.4232

 36.2477, 0.4275,
0.5174


 91.7273, 0.4090,
0.4765


 24.6255, 0.4325,
0.5339


 118.3730, 0.4032,
0.4659


 15.7983, 0.4371,
0.5540


 149.7354, 0.3980,
0.4566

 9.3815, 0.4320,
0.5680

 186.1992, 0.3932,
0.4483

 4.9909, 0.4187,
0.5813

 228.1486, 0.3888,
0.4409

 2.2419, 0.3969,
0.6031

 275.9680, 0.3848,

 0.7427, 0.2938,

0.4343

0.7062

330.0418, 0.3811,
0.4285

■ 0.0000, 0.0000,
0.0000

■ 51.0491, 0.4214,
0.5022

■ 51.0491, 0.4214,
0.5022

■ 50.9969, 0.4221,
0.5031

■ 51.2502, 0.4185,
0.4981

■ 51.5090, 0.4131,
0.4900

■ 51.8398, 0.4051,
0.4775

■ 52.2515, 0.3947,
0.4610

■ 52.7515, 0.3822,
0.4412

■ 53.3466, 0.3682,
0.4187

■ 54.0428, 0.3533,
0.3948

■ 54.8455, 0.3381,
0.3701

■ 55.7601, 0.3230,
0.3457

Harmonies

Analogous

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



51.0491, 0.4936, 0.4349



51.0491, 0.4214, 0.5022



51.0491, 0.3277, 0.5262

Triad

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



51.0491, 0.4214, 0.5022



51.0491, 0.1427, 0.2412



51.0491, 0.3735, 0.2350

Complementary

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



51.0491, 0.4214, 0.5022



4.3096, 0.1516, 0.0630

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.



51.0491, 0.2673, 0.1941



51.0491, 0.4214, 0.5022



51.0491, 0.1505, 0.1913

Square

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



51.0491, 0.4214, 0.5022



51.0491, 0.1693, 0.3382



51.0491, 0.1910, 0.1783



51.0491, 0.4739, 0.2941

Rectangle

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



51.0491, 0.4214, 0.5022



51.0491, 0.2641, 0.4924



51.0491, 0.1910, 0.1783



51.0491, 0.3362, 0.2189

Sweetspot

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



51.0515, 0.4214, 0.5022



95.3860, 0.3570, 0.4007



12.1545, 0.6337, 0.3291



20.3016, 0.3635, 0.4111



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.



51.0515, 0.4214, 0.5022



90.2737, 0.4221, 0.5030



43.4132, 0.3401, 0.5663



12.3876, 0.3266, 0.3515



33.1787, 0.4220, 0.5031



1.5803, 0.4214, 0.5036

Inverse Universe

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



4.3096, 0.1516, 0.0630



7.3062, 0.1502, 0.0607



6.8463, 0.2019, 0.0899



10.3135, 0.2983, 0.3055



2.7067, 0.1503, 0.0611



0.1376, 0.1514, 0.0651

Previews

White Background



This preview shows how the Yxy color 51.0491, 0.4214, 0.5022 looks on a white background.

Color Contrast Check

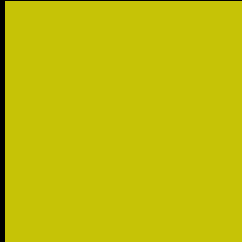
Large Text (above 18pt) WCAG AA × Fail

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 51.0491, 0.4214, 0.5022 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 51.0491, 0.4214, 0.5022

Background



This preview shows how black text looks on a background with the Yxy color 51.0491, 0.4214, 0.5022.



This preview shows how white text looks on a background with the Yxy color 51.0491, 0.4214, 0.5022.

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

51.0491, 0.4214, 0.5022

Protanopia

51.1231, 0.4407, 0.4883

Deuteranopia

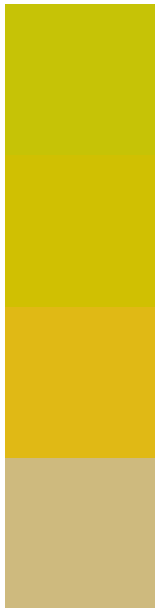
50.6796, 0.4687, 0.4573



Tritanopia

50.8368, 0.3272, 0.3124

Trichromacy



Original Color

51.0491, 0.4214, 0.5022

Protanomaly

51.1136, 0.4334, 0.4936

Deuteranomaly

50.5994, 0.4517, 0.4740

Tritanomaly

49.7460, 0.3791, 0.4031

Monochromacy



Original Color

51.0491, 0.4214, 0.5022

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

44.7154, 0.3697, 0.4213

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.0491, 0.4214, 0.5022 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(198, 195, 6)` looks like.

```
.text, #text, p{  
    color:rgb(198, 195, 6)  
}
```

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(198, 195, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 195, 6) }
```

Border

The CSS property to change the border of an element to Yxy 51.0491, 0.4214, 0.5022 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(198, 195, 6) }
```

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

```
.border{ border-color:rgb(198, 195, 6) }
```

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

Here you see how a box with a 4 pixel rgb(198, 195, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 195, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 195, 6);  
box-shadow:4px 4px 4px 4px rgb(198, 195,  
6) }
```


Background

The CSS property to change the background color of an element to Yxy 51.0491, 0.4214, 0.5022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 195, 6) }
```

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

```
.background{ background-color: rgb(198,  
195, 6) }
```

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