

Converting Colors

$Y_{xy}(51.6290, 0.4138, 0.4980)$

Have a look what the booklet for
Yxy(51.6290, 0.4138, 0.4980)
contains.

Yxy(51.7781, 0.4137, 0.4981)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(51.7781, 0.4137, 0.4981)

Conversions

Conversions Part 1

Format	Color
Hex	C4C521
RGB	196, 197, 33
RGB Percent	77%, 77%, 13%
CMY	0.2314, 0.2274, 0.8704
CMYK	0.01, 0.00, 0.83, 0.23
HSL	60°, 71%, 45%
HSV	60°, 83%, 77%
XYZ	43.0046, 51.7781, 9.1685
YIQ	178.0050, 52.0480, -51.2160

Conversions

Conversions Part 2

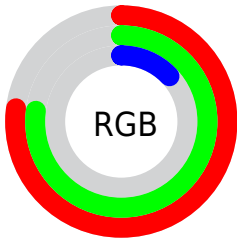
Format	Color
RYB	33, 197, 34
Decimal	12895521
CIELab	77.15, -17.65, 72.94
CIELCh	77, 75.043, 103.603
Yxy	51.7781, 0.4137, 0.4981
Android (android.graphics.Color)	4291085601 (0xFFC4C521)
YUV	178.0050, -71.4875, 15.7816
Hunter-Lab	71.9570, -19.2454, 42.8154

Details

The Yxy color **51.7781, 0.4137, 0.4981** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted yellow. A complement of this color would be **5.4623, 0.1611, 0.0780**, and the grayscale version is **44.8916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.3551, 0.4012, 0.4722**, and **25.3498, 0.4122, 0.5109** is the 20% darker color. If you saturate the color by 10%, you get **51.6841, 0.4170, 0.5039**, and if you desaturate by 10%, it is **51.9415, 0.4078, 0.4881**.

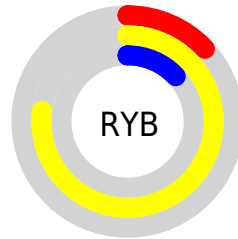
Distribution



Red (77%)

Green (77%)

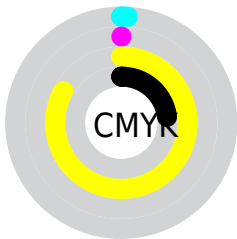
Blue (13%)



Red (13%)

Yellow (77%)

Blue (13%)

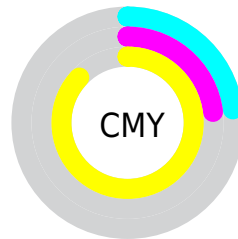


Cyan (1%)

Magenta (0%)

Yellow (83%)

Black (23%)



Cyan (23%)


Magenta (23%)

Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.7781, 0.4137, 0.4981 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 51.7781, 0.4137, 0.4981 by changing the saturation by 10% instead.

 51.7781, 0.4137,
0.4981

 51.7781, 0.4137,
0.4981


393.5794, 0.3726,
0.4196

 36.8282, 0.4198,
0.5139


 92.8039, 0.4017,
0.4721

 25.0745, 0.4250,
0.5316


 119.6486, 0.3963,
0.4615


 16.1326, 0.4286,
0.5514


 151.2271, 0.3914,
0.4522

 9.6180, 0.4277,
0.5723

 187.9237, 0.3869,
0.4441

 5.1464, 0.4134,
0.5866

 230.1228, 0.3828,
0.4369

 2.3334, 0.3902,
0.6098

 278.2089, 0.3791,

 0.7913, 0.2888,

0.4304

0.7112

332.5663, 0.3757,
0.4247

■ 0.0000, 0.0000,
0.0000

■ 51.7781, 0.4137,
0.4981

■ 51.7781, 0.4137,
0.4981

■ 51.6841, 0.4170,
0.5039

■ 51.9415, 0.4078,
0.4881

■ 51.6431, 0.4182,
0.5061

■ 52.1769, 0.3994,
0.4738

■ 52.4948, 0.3886,
0.4557

■ 52.9023, 0.3759,
0.4345

■ 53.4059, 0.3619,
0.4111

■ 54.0111, 0.3472,
0.3864

■ 54.7234, 0.3322,
0.3614

■ 55.5477, 0.3174,
0.3368

■ 56.4886, 0.3032,
0.3131

Harmonies

Analogous

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



51.7781, 0.4839, 0.4363



51.7781, 0.4137, 0.4981



51.7781, 0.3232, 0.5145

Triad

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



51.7781, 0.4137, 0.4981



51.7781, 0.1487, 0.2420



51.7781, 0.3767, 0.2417

Complementary

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



51.7781, 0.4137, 0.4981



5.4623, 0.1611, 0.0780

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.



51.7781, 0.2747, 0.2009



51.7781, 0.4137, 0.4981



51.7781, 0.1579, 0.1955

Square

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



51.7781, 0.4137, 0.4981



51.7781, 0.1731, 0.3323



51.7781, 0.1992, 0.1842



51.7781, 0.4701, 0.2997

Rectangle

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



51.7781, 0.4137, 0.4981



51.7781, 0.2625, 0.4785



51.7781, 0.1992, 0.1842



51.7781, 0.3413, 0.2257

Sweetspot

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



51.7805, 0.4137, 0.4981



96.4778, 0.3504, 0.3918



13.0711, 0.6018, 0.3299



20.5660, 0.3557, 0.4006



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.



51.7805, 0.4137, 0.4981



92.4817, 0.4182, 0.5061



43.6922, 0.3438, 0.5500



12.4136, 0.3264, 0.3518



33.9667, 0.4183, 0.5061



1.6094, 0.4185, 0.5059

Inverse Universe

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



5.4623, 0.1611, 0.0780



7.2302, 0.1501, 0.0601



8.7677, 0.2211, 0.1095



10.2906, 0.2984, 0.3051



2.6580, 0.1502, 0.0601



0.1270, 0.1510, 0.0606

Previews

White Background



This preview shows how the Yxy color 51.7781, 0.4137, 0.4981 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 51.7781, 0.4137, 0.4981 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 51.7781, 0.4137, 0.4981

Background



This preview shows how black text looks on a background with the Yxy color 51.7781, 0.4137, 0.4981.



This preview shows how white text looks on a background with the Yxy color 51.7781, 0.4137, 0.4981.

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

51.7781, 0.4137, 0.4981

Protanopia

51.6567, 0.4353, 0.4824

Deuteranopia

51.7474, 0.4635, 0.4534



Tritanopia

51.4995, 0.3228, 0.3112

Trichromacy



Original Color

51.7781, 0.4137, 0.4981

Protanomaly

51.5096, 0.4271, 0.4882

Deuteranomaly

51.5344, 0.4455, 0.4698

Tritanomaly

50.6388, 0.3668, 0.3912

Monochromacy



Original Color

51.7781, 0.4137, 0.4981

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

46.4929, 0.3609, 0.4087

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.7781, 0.4137, 0.4981 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(196, 197, 33)` looks like.

```
.text, #text, p{  
    color:rgb(196, 197, 33)  
}
```

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(196, 197, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 197, 33) }
```

Border

The CSS property to change the border of an element to Yxy 51.7781, 0.4137, 0.4981 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(196, 197, 33) }
```

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

```
.border{ border-color:rgb(196, 197, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 197, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 197, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 197, 33);  
box-shadow:4px 4px 4px 4px rgb(196, 197,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 51.7781, 0.4137, 0.4981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 197, 33) }
```

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

```
.background{ background-color: rgb(196,  
197, 33) }
```

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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