

Converting Colors

$Y_{xy}(54.9063, 0.4046, 0.4507)$

Have a look what the booklet for
Yxy(54.9063, 0.4046, 0.4507)
contains.

Yxy(54.8168, 0.4046, 0.4503)	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(54.8168, 0.4046, 0.4503)

Conversions

Conversions Part 1	
Format	Color
Hex	D5C55A
RGB	213, 197, 90
RGB Percent	84%, 77%, 35%
CMY	0.1647, 0.2274, 0.6469
CMYK	0.00, 0.08, 0.58, 0.16
HSL	52°, 59%, 59%
HSV	52°, 58%, 84%
XYZ	49.2536, 54.8168, 17.6636
YIQ	189.5860, 43.8830, -29.8850

Conversions

Conversions Part 2

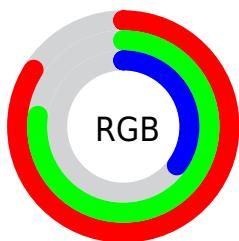
Format	Color
RYB	108, 213, 90
Decimal	14009690
CIELab	78.94, -7.60, 54.60
CIELCh	79, 55.130, 97.920
Yxy	54.8168, 0.4046, 0.4503
Android (android.graphics.Color)	4292199770 (0xFFD5C55A)
YUV	189.5860, -49.0959, 20.5341
Hunter-Lab	74.0384, -10.8211, 37.6818

Details

The Yxy color **54.8168, 0.4046, 0.4503** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted yellow. A complement of this color would be **17.2930, 0.2060, 0.1665**, and the grayscale version is **51.5136, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4937, 0.3790, 0.4357**, and **27.1418, 0.4227, 0.4780** is the 20% darker color. If you saturate the color by 10%, you get **53.2601, 0.4181, 0.4653**, and if you desaturate by 10%, it is **56.5057, 0.3894, 0.4320**.

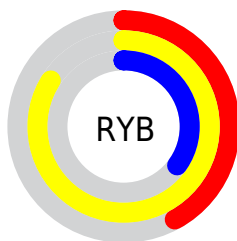
Distribution



Red (84%)

Green (77%)

Blue (35%)



Red (42%)

Yellow (84%)

Blue (35%)

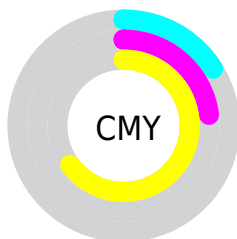


Cyan (0%)

Magenta (8%)

Yellow (58%)

Black (16%)



Cyan (16%)


Magenta (23%)

Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.8168, 0.4046, 0.4503 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 54.8168, 0.4046, 0.4503 by changing the saturation by 10% instead.


 54.8168, 0.4046,
0.4503


 54.8168, 0.4046,
0.4503


405.2171, 0.3631,
0.3932

 39.2551, 0.4130,
0.4627


 97.2725, 0.3909,
0.4308


 26.9582, 0.4225,
0.4774


 124.9352, 0.3853,
0.4231

 17.5418, 0.4329,
0.4947


 157.4004, 0.3804,
0.4164

 10.6216, 0.4433,
0.5143

 195.0525, 0.3761,
0.4105

 5.8130, 0.4574,
0.5426

238.2758, 0.3723,
0.4054

 2.7317, 0.4487,
0.5513


287.4547, 0.3689,

 0.9933, 0.4318,

0.4009


0.5682

342.9737, 0.3659,
0.3968

 0.0000, 0.0000,
0.0000


 54.8168, 0.4046,
0.4503


 54.8168, 0.4046,
0.4503


 53.2601, 0.4181,
0.4653

 56.5057, 0.3894,
0.4320


 51.8186, 0.4292,
0.4763

 58.3273, 0.3732,
0.4115

 50.4840, 0.4376,
0.4828


 60.2915, 0.3566,
0.3896


 49.2412, 0.4433,
0.4850


 62.4051, 0.3402,
0.3674


 48.9666, 0.4445,
0.4853

 64.6744, 0.3243,
0.3454

 67.1052, 0.3094,
0.3243

 69.7032, 0.2956,
0.3043

 72.1188, 0.2860,
0.2911

 73.5782, 0.2861,
0.2941

Harmonies

Analogous

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



54.8168, 0.4487, 0.4070



54.8168, 0.4046, 0.4503



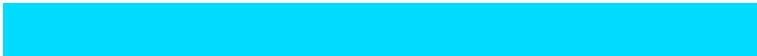
54.8168, 0.3388, 0.4620

Triad

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



54.8168, 0.4046, 0.4503



54.8168, 0.1888, 0.2783



54.8168, 0.3460, 0.2558

Complementary

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



54.8168, 0.4046, 0.4503



17.2930, 0.2060, 0.1665

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.



54.8168, 0.2733, 0.2265



54.8168, 0.4046, 0.4503



54.8168, 0.1903, 0.2340

Square

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



54.8168, 0.4046, 0.4503



54.8168, 0.2158, 0.3489



54.8168, 0.2190, 0.2180



54.8168, 0.4158, 0.3005

Rectangle

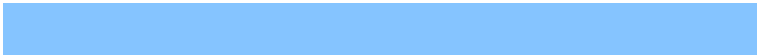
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



54.8168, 0.4046, 0.4503



54.8168, 0.2919, 0.4418



54.8168, 0.2190, 0.2180



54.8168, 0.3207, 0.2440

Sweetspot

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



54.8194, 0.4046, 0.4503



93.9704, 0.3393, 0.3662



22.5132, 0.4648, 0.3103



19.9710, 0.3425, 0.3707



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.



54.8194, 0.4046, 0.4503



79.6009, 0.4205, 0.4678



56.6430, 0.3576, 0.4849



14.2315, 0.3270, 0.3491



30.0173, 0.4441, 0.4856



1.8890, 0.4392, 0.4895

Inverse Universe

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



17.2930, 0.2060, 0.1665



18.3752, 0.1843, 0.1302



17.2823, 0.2380, 0.1602



12.2665, 0.2981, 0.3081



3.5170, 0.1529, 0.0705



0.2994, 0.1597, 0.0949

Previews

White Background



This preview shows how the Yxy color 54.8168, 0.4046, 0.4503 looks on a white background.

Color Contrast Check

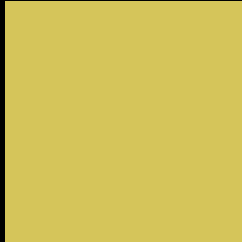
Large Text (above 18pt) WCAG AA × Fail

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 54.8168, 0.4046, 0.4503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

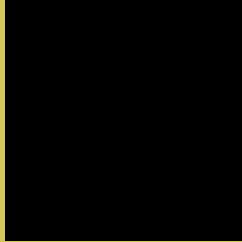
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.8168, 0.4046, 0.4503

Background



This preview shows how black text looks on a background with the Yxy color 54.8168, 0.4046, 0.4503.

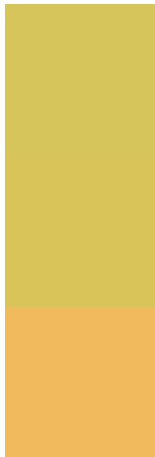


This preview shows how white text looks on a background with the Yxy color 54.8168, 0.4046, 0.4503.

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

54.8168, 0.4046, 0.4503

Protanopia

54.9698, 0.4088, 0.4476

Deuteranopia

54.6089, 0.4347, 0.4254



Tritanopia

54.5560, 0.3329, 0.3120

Trichromacy



Original Color
54.8168, 0.4046, 0.4503

Protanomaly
54.8170, 0.4079, 0.4481

Deuteranomaly
54.5885, 0.4239, 0.4341

Tritanomaly
53.9933, 0.3618, 0.3634

Monochromacy



Original Color
54.8168, 0.4046, 0.4503

Achromatopsia
51.4918, 0.3127, 0.3290

Achromatomaly
52.4788, 0.3471, 0.3780

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.8168, 0.4046, 0.4503 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(213, 197, 90)` looks like.

```
.text, #text, p{  
    color:rgb(213, 197, 90)  
}
```

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(213, 197, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 197, 90) }
```

Border

The CSS property to change the border of an element to Yxy 54.8168, 0.4046, 0.4503 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(213, 197, 90) }
```

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

```
.border{ border-color:rgb(213, 197, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 197, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 197, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 197, 90);  
box-shadow:4px 4px 4px 4px rgb(213, 197,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 54.8168, 0.4046, 0.4503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 197, 90) }
```

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

```
.background{ background-color: rgb(213,  
197, 90) }
```

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