

Converting Colors

$Y_{xy}(45.6432, 0.4193, 0.5053)$

Have a look what the booklet for
Yxy(45.6432, 0.4193, 0.5053)
contains.

Yxy(45.5569, 0.4193, 0.5053)	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(45.5569, 0.4193, 0.5053)

Conversions

Conversions Part 1

Format	Color
Hex	BABA00
RGB	186, 186, 0
RGB Percent	73%, 73%, 0%
CMY	0.2707, 0.2705, 1.0000
CMYK	0.00, 0.00, 1.00, 0.27
HSL	60°, 100%, 36%
HSV	60°, 100%, 73%
XYZ	37.8033, 45.5569, 6.7979
YIQ	164.7960, 59.7060, -57.8460

Conversions

Conversions Part 2

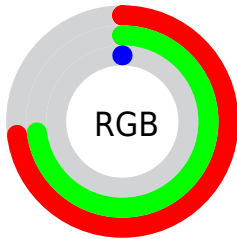
Format	Color
RYB	0, 186, 0
Decimal	12237312
CIELab	73.26, -17.02, 74.55
CIELCh	73, 76.469, 102.863
Yxy	45.5569, 0.4193, 0.5053
Android (android.graphics.Color)	4290427392 (0xFFBABA00)
YUV	164.7960, -81.2444, 18.5959
Hunter-Lab	67.4959, -18.1429, 41.2756

Details

The Yxy color **45.5569, 0.4193, 0.5053** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **3.5460, 0.1500, 0.0600**, and the grayscale version is **37.8991, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6912, 0.4068, 0.4779**, and **21.3643, 0.4130, 0.5103** is the 20% darker color. If you saturate the color by 10%, you get **45.5592, 0.4193, 0.5053**, and if you desaturate by 10%, it is **45.6054, 0.4170, 0.5016**.

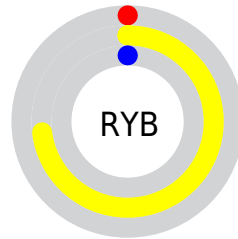
Distribution



Red (73%)

Green (73%)

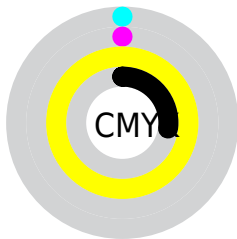
Blue (0%)



Red (0%)

Yellow (73%)

Blue (0%)

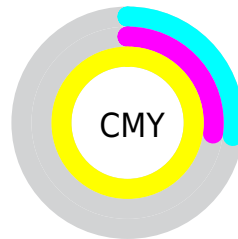


Cyan (0%)

Magenta (0%)

Yellow (100%)

Black (27%)



Cyan (27%)


Magenta (27%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.5569, 0.4193, 0.5053 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 45.5569, 0.4193, 0.5053 by changing the saturation by 10% instead.

 45.5569, 0.4193,
0.5053


 45.5569, 0.4193,
0.5053


369.0244, 0.3760,
0.4229

 31.8963, 0.4252,
0.5215


 83.5555, 0.4070,
0.4782

 21.2823, 0.4297,
0.5392


 108.6622, 0.4013,
0.4670

 13.3305, 0.4359,
0.5640


 138.3532, 0.3960,
0.4573

 7.6565, 0.4252,
0.5748

 173.0127, 0.3912,
0.4487

 3.8760, 0.4088,
0.5912

 213.0252, 0.3868,
0.4411

 1.6044, 0.3809,
0.6191

 258.7750, 0.3829,

 0.3606, 0.0000,

0.4343

1.0000

310.6466, 0.3792,
0.4283

■ 0.0000, 0.0000,
0.0000

■ 45.5569, 0.4193,
0.5053

■ 45.5569, 0.4193,
0.5053

■ 45.5592, 0.4193,
0.5053

■ 45.6054, 0.4170,
0.5016

■ 45.6951, 0.4127,
0.4945

■ 45.8444, 0.4059,
0.4831

■ 46.0612, 0.3965,
0.4676

■ 46.3522, 0.3850,
0.4485

■ 46.7235, 0.3717,
0.4266

■ 47.1802, 0.3573,
0.4028

■ 47.7272, 0.3424,
0.3781

■ 48.3692, 0.3274,
0.3532

Harmonies

Analogous

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



45.5569, 0.4934, 0.4376



45.5569, 0.4193, 0.5053



45.5569, 0.3245, 0.5278

Triad

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



45.5569, 0.4193, 0.5053



45.5569, 0.1411, 0.2380



45.5569, 0.3775, 0.2357

Complementary

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



45.5569, 0.4193, 0.5053



3.5460, 0.1500, 0.0600

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.



45.5569, 0.2697, 0.1940



45.5569, 0.4193, 0.5053



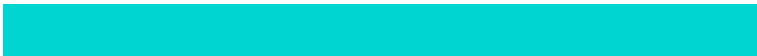
45.5569, 0.1500, 0.1892

Square

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



45.5569, 0.4193, 0.5053



45.5569, 0.1666, 0.3345



45.5569, 0.1918, 0.1772



45.5569, 0.4780, 0.2956

Rectangle

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



45.5569, 0.4193, 0.5053



45.5569, 0.2606, 0.4917



45.5569, 0.1918, 0.1772



45.5569, 0.3398, 0.2193

Sweetspot

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



45.5592, 0.4193, 0.5053



85.4581, 0.3581, 0.4040



10.4408, 0.6401, 0.3300



18.7385, 0.3643, 0.4142



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



45.5592, 0.4193, 0.5053



82.5652, 0.4193, 0.5053



37.4511, 0.3366, 0.5710



10.5033, 0.3264, 0.3516



30.6459, 0.4193, 0.5053



1.0804, 0.4193, 0.5053

Inverse Universe

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



3.5460, 0.1500, 0.0600



6.4262, 0.1500, 0.0600



5.8733, 0.2023, 0.0888



8.7196, 0.2984, 0.3054



2.3853, 0.1500, 0.0600



0.0841, 0.1501, 0.0600

Previews

White Background



This preview shows how the Yxy color 45.5569, 0.4193, 0.5053 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 45.5569, 0.4193, 0.5053 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 45.5569, 0.4193, 0.5053

Background



This preview shows how black text looks on a background with the Yxy color 45.5569, 0.4193, 0.5053.



This preview shows how white text looks on a background with the Yxy color 45.5569, 0.4193, 0.5053.

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

45.5569, 0.4193, 0.5053

Protanopia

45.3390, 0.4409, 0.4881

Deuteranopia

45.5406, 0.4672, 0.4580



Tritanopia

45.4381, 0.3242, 0.3128

Trichromacy



Original Color

45.5569, 0.4193, 0.5053

Protanomaly

45.3262, 0.4334, 0.4941

Deuteranomaly

45.0914, 0.4509, 0.4752

Tritanomaly

44.6181, 0.3780, 0.4070

Monochromacy



Original Color

45.5569, 0.4193, 0.5053

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

39.7913, 0.3705, 0.4245

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5569, 0.4193, 0.5053 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(186, 186, 0)` looks like.

```
.text, #text, p{  
    color:rgb(186, 186, 0)  
}
```

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(186, 186, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 186, 0) }
```

Border

The CSS property to change the border of an element to Yxy 45.5569, 0.4193, 0.5053 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(186, 186, 0) }
```

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

```
.border{ border-color:rgb(186, 186, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 186, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 186, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 186, 0);  
box-shadow:4px 4px 4px 4px rgb(186, 186,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5569, 0.4193, 0.5053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 186, 0) }
```

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

```
.background{ background-color: rgb(186,  
186, 0) }
```

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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