

Converting Colors

$Y_{xy}(46.5329, 0.4009, 0.4738)$

Have a look what the booklet for
Yxy(46.5329, 0.4009, 0.4738)
contains.

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Color

Yxy(46.5228, 0.4002, 0.4737)

Conversions

Conversions Part 1

Format	Color
Hex	BBBB44
RGB	187, 187, 68
RGB Percent	73%, 73%, 27%
CMY	0.2668, 0.2666, 0.7331
CMYK	0.00, 0.00, 0.64, 0.27
HSL	60°, 47%, 50%
HSV	60°, 64%, 73%
XYZ	39.3043, 46.5228, 12.3845
YIQ	173.4340, 38.1990, -37.0090

Conversions

Conversions Part 2

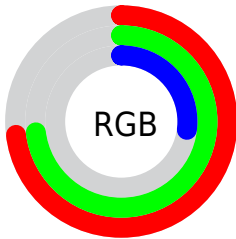
Format	Color
RYB	68, 187, 68
Decimal	12303172
CIELab	73.88, -14.92, 58.07
CIELCh	74, 59.955, 104.409
Yxy	46.5228, 0.4002, 0.4737
Android (android.graphics.Color)	4290493252 (0xFFBBBB44)
YUV	173.4340, -51.9790, 11.8974
Hunter-Lab	68.2076, -16.5037, 36.9800

Details

The Yxy color **46.5228, 0.4002, 0.4737** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **8.9605, 0.1907, 0.1272**, and the grayscale version is **42.2807, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0992, 0.3880, 0.4488**, and **21.8777, 0.4153, 0.5079** is the 20% darker color. If you saturate the color by 10%, you get **46.3310, 0.4087, 0.4877**, and if you desaturate by 10%, it is **46.7917, 0.3894, 0.4558**.

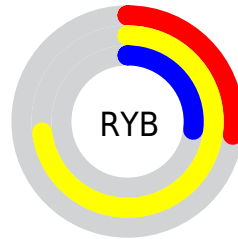
Distribution



Red (73%)

Green (73%)

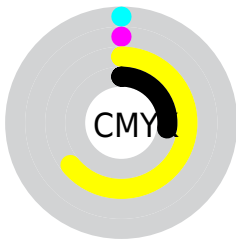
Blue (27%)



Red (27%)

Yellow (73%)

Blue (27%)

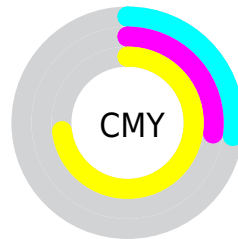


Cyan (0%)

Magenta (0%)

Yellow (64%)

Black (27%)



Cyan (27%)

Magenta (27%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.5228, 0.4002, 0.4737 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 46.5228, 0.4002, 0.4737 by changing the saturation by 10% instead.

46.5228, 0.4002,
0.4737

46.5228, 0.4002,
0.4737

372.9065, 0.3614,
0.4030

32.6586, 0.4074,
0.4895

85.0009, 0.3878,
0.4491

21.8650, 0.4148,
0.5083

110.3835, 0.3826,
0.4395

13.7577, 0.4215,
0.5302

140.3744, 0.3780,
0.4312

7.9524, 0.4330,
0.5653

175.3579, 0.3739,
0.4241

4.0645, 0.4199,
0.5801

215.7185, 0.3702,
0.4178

1.7097, 0.3965,
0.6035

261.8406, 0.3670,

0.4299, 0.0936,

0.4123

0.9064

314.1084, 0.3640,
0.4074

■ 0.0000, 0.0000,
0.0000

■ 46.5228, 0.4002,
0.4737

■ 46.5228, 0.4002,
0.4737

■ 46.3310, 0.4087,
0.4877

■ 46.7917, 0.3894,
0.4558

■ 46.2027, 0.4146,
0.4975

■ 47.1376, 0.3767,
0.4348

■ 46.1314, 0.4180,
0.5032

■ 47.5681, 0.3626,
0.4116

■ 46.1046, 0.4193,
0.5053

■ 48.0884, 0.3478,
0.3871

■ 48.7032, 0.3328,
0.3622

■ 49.4167, 0.3179,
0.3377

■ 50.2332, 0.3037,
0.3141

■ 51.1564, 0.2902,
0.2918

■ 52.1900, 0.2777,
0.2711

Harmonies

Analogous

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



46.5228, 0.4584, 0.4268



46.5228, 0.4002, 0.4737



46.5228, 0.3230, 0.4793

Triad

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



46.5228, 0.4002, 0.4737



46.5228, 0.1714, 0.2562



46.5228, 0.3691, 0.2560

Complementary

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



46.5228, 0.4002, 0.4737



8.9605, 0.1907, 0.1272

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.



46.5228, 0.2839, 0.2194



46.5228, 0.4002, 0.4737



46.5228, 0.1798, 0.2149

Square

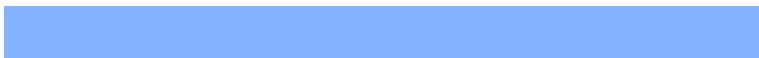
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



46.5228, 0.4002, 0.4737



46.5228, 0.1935, 0.3313



46.5228, 0.2176, 0.2044



46.5228, 0.4448, 0.3078

Rectangle

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



46.5228, 0.4002, 0.4737



46.5228, 0.2710, 0.4475



46.5228, 0.2176, 0.2044



46.5228, 0.3400, 0.2417

Sweetspot

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



46.5250, 0.4002, 0.4737



86.5681, 0.3414, 0.3764



15.1244, 0.5145, 0.3296



18.9964, 0.3457, 0.3835



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.



46.5250, 0.4002, 0.4737



82.8724, 0.4111, 0.4918



40.5159, 0.3456, 0.5064



11.1204, 0.3264, 0.3517



31.7626, 0.4193, 0.5053



1.2442, 0.4193, 0.5053

Inverse Universe

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



8.9605, 0.1907, 0.1272



10.3714, 0.1683, 0.0903



12.2814, 0.2469, 0.1526



9.2255, 0.2984, 0.3053



2.4724, 0.1500, 0.0600



0.0969, 0.1501, 0.0600

Previews

White Background



This preview shows how the Yxy color 46.5228, 0.4002, 0.4737 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 46.5228, 0.4002, 0.4737 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 46.5228, 0.4002, 0.4737

Background



This preview shows how black text looks on a background with the Yxy color 46.5228, 0.4002, 0.4737.



This preview shows how white text looks on a background with the Yxy color 46.5228, 0.4002, 0.4737.

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

46.5228, 0.4002, 0.4737

Protanopia

46.5577, 0.4195, 0.4610

Deuteranopia

46.5369, 0.4447, 0.4356



Tritanopia

46.3398, 0.3215, 0.3116

Trichromacy



Original Color

46.5228, 0.4002, 0.4737

Protanomaly

46.5565, 0.4124, 0.4662

Deuteranomaly

46.2928, 0.4289, 0.4491

Tritanomaly

45.7539, 0.3548, 0.3733

Monochromacy



Original Color

46.5228, 0.4002, 0.4737

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

43.0550, 0.3485, 0.3882

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5228, 0.4002, 0.4737 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(187, 187, 68)` looks like.

```
.text, #text, p{  
    color:rgb(187, 187, 68)  
}
```

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(187, 187, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 187, 68) }
```

Border

The CSS property to change the border of an element to Yxy 46.5228, 0.4002, 0.4737 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(187, 187, 68) }
```

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

```
.border{ border-color:rgb(187, 187, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 187, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 187, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 187, 68);  
box-shadow:4px 4px 4px 4px rgb(187, 187,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5228, 0.4002, 0.4737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 187, 68) }
```

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

```
.background{ background-color: rgb(187,  
187, 68) }
```

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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