

Converting Colors

$Y_{xy}(44.0822, 0.4049, 0.4565)$

Have a look what the booklet for
Yxy(44.0822, 0.4049, 0.4565)
contains.

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Color

Yxy(44.2547, 0.4040, 0.4567)

Conversions

Conversions Part 1

Format	Color
Hex	BFB44D
RGB	191, 180, 77
RGB Percent	75%, 71%, 30%
CMY	0.2509, 0.2941, 0.6981
CMYK	0.00, 0.06, 0.60, 0.25
HSL	54°, 47%, 53%
HSV	54°, 60%, 75%
XYZ	39.1480, 44.2547, 13.4983
YIQ	171.5470, 39.6190, -29.7010

Conversions

Conversions Part 2

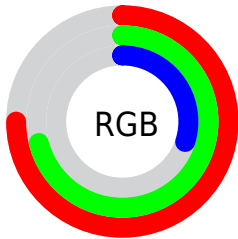
Format	Color
RYB	89, 191, 77
Decimal	12563533
CIELab	72.40, -9.01, 52.69
CIELCh	72, 53.452, 99.707
Yxy	44.2547, 0.4040, 0.4567
Android (android.graphics.Color)	4290753613 (0xFFBFB44D)
YUV	171.5470, -46.6117, 17.0603
Hunter-Lab	66.5242, -11.3741, 34.5365

Details

The Yxy color **44.2547, 0.4040, 0.4567** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **12.3189, 0.2017, 0.1557**, and the grayscale version is **41.2401, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9266, 0.3898, 0.4348**, and **20.6472, 0.4221, 0.4880** is the 20% darker color. If you saturate the color by 10%, you get **43.2859, 0.4161, 0.4714**, and if you desaturate by 10%, it is **45.3167, 0.3900, 0.4386**.

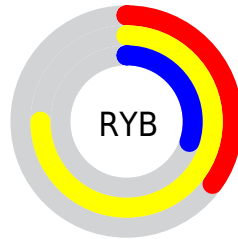
Distribution



Red (75%)

Green (71%)

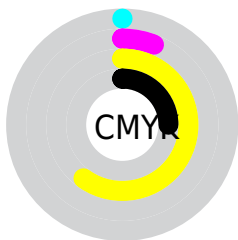
Blue (30%)



Red (35%)

Yellow (75%)

Blue (30%)

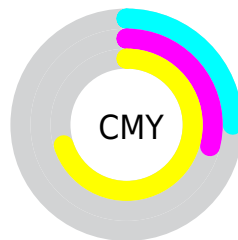


Cyan (0%)

Magenta (6%)

Yellow (60%)

Black (25%)



Cyan (25%)

Magenta (29%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.2547, 0.4040, 0.4567 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 44.2547, 0.4040, 0.4567 by changing the saturation by 10% instead.

■ 44.2547, 0.4040,
0.4567

■ 44.2547, 0.4040,
0.4567

363.7466, 0.3616,
0.3941

■ 30.8708, 0.4127,
0.4708

■ 81.6009, 0.3898,
0.4348

■ 20.5005, 0.4223,
0.4877

■ 106.3319, 0.3841,
0.4263

■ 12.7594, 0.4325,
0.5076

■ 135.6141, 0.3791,
0.4190

■ 7.2631, 0.4469,
0.5367

■ 169.8319, 0.3747,
0.4127

■ 3.6272, 0.4455,
0.5545

■ 209.3697, 0.3709,
0.4072

■ 1.4673, 0.4304,
0.5696

254.6118, 0.3674,

■ 0.2655, 0.1086,

0.4023

0.8914

305.9426, 0.3644,
0.3980

0.0000, 0.0000,
0.0000

44.2547, 0.4040,
0.4567

44.2547, 0.4040,
0.4567

43.2859, 0.4161,
0.4714

45.3167, 0.3900,
0.4386

42.3970, 0.4257,
0.4821

46.4721, 0.3747,
0.4179

41.5814, 0.4326,
0.4883

47.7287, 0.3588,
0.3958

40.8233, 0.4372,
0.4909

49.0916, 0.3428,
0.3730

40.8002, 0.4374,
0.4909

50.5657, 0.3272,
0.3503

■ 52.1555, 0.3123,
0.3283

■ 53.8652, 0.2983,
0.3075

■ 55.6989, 0.2853,
0.2879

■ 57.6603, 0.2735,
0.2698

Harmonies

Analogous

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



44.2547, 0.4520, 0.4124



44.2547, 0.4040, 0.4567



44.2547, 0.3349, 0.4671

Triad

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



44.2547, 0.4040, 0.4567



44.2547, 0.1838, 0.2724



44.2547, 0.3519, 0.2555

Complementary

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



44.2547, 0.4040, 0.4567



12.3189, 0.2017, 0.1557

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.



44.2547, 0.2758, 0.2243



44.2547, 0.4040, 0.4567



44.2547, 0.1871, 0.2286

Square

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



44.2547, 0.4040, 0.4567



44.2547, 0.2096, 0.3446



44.2547, 0.2182, 0.2140



44.2547, 0.4237, 0.3022

Rectangle

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



44.2547, 0.4040, 0.4567



44.2547, 0.2865, 0.4440



44.2547, 0.2182, 0.2140



44.2547, 0.3255, 0.2431

Sweetspot

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



44.2568, 0.4040, 0.4567



88.2739, 0.3406, 0.3698



17.0956, 0.4776, 0.3150



19.2199, 0.3453, 0.3765



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



44.2568, 0.4040, 0.4567



76.9531, 0.4197, 0.4756



43.8573, 0.3548, 0.4906



10.9588, 0.3267, 0.3495



26.8759, 0.4371, 0.4911



1.0990, 0.4323, 0.4949

Inverse Universe

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



12.3189, 0.2017, 0.1557



14.7391, 0.1781, 0.1157



13.2505, 0.2395, 0.1574



9.3696, 0.2984, 0.3076



2.8211, 0.1521, 0.0675



0.1610, 0.1593, 0.0935

Previews

White Background



This preview shows how the Yxy color 44.2547, 0.4040, 0.4567 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 44.2547, 0.4040, 0.4567 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 44.2547, 0.4040, 0.4567

Background



This preview shows how black text looks on a background with the Yxy color 44.2547, 0.4040, 0.4567.



This preview shows how white text looks on a background with the Yxy color 44.2547, 0.4040, 0.4567.

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

44.2547, 0.4040, 0.4567

Protanopia

44.2329, 0.4118, 0.4526

Deuteranopia

44.1708, 0.4381, 0.4286



Tritanopia

44.1708, 0.3308, 0.3128

Trichromacy



Original Color

44.2547, 0.4040, 0.4567

Protanomaly

44.3641, 0.4092, 0.4546

Deuteranomaly

44.0070, 0.4252, 0.4388

Tritanomaly

43.7711, 0.3603, 0.3668

Monochromacy



Original Color

44.2547, 0.4040, 0.4567

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.0498, 0.3486, 0.3814

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.2547, 0.4040, 0.4567 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(191, 180, 77)` looks like.

```
.text, #text, p{  
    color:rgb(191, 180, 77)  
}
```

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(191, 180, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 180, 77) }
```

Border

The CSS property to change the border of an element to Yxy 44.2547, 0.4040, 0.4567 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(191, 180, 77) }
```

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

```
.border{ border-color:rgb(191, 180, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 180, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 180, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 180, 77);  
box-shadow:4px 4px 4px 4px rgb(191, 180,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 44.2547, 0.4040, 0.4567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 180, 77) }
```

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

```
.background{ background-color: rgb(191,  
180, 77) }
```

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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