

Converting Colors

$Y_{xy}(45.1522, 0.4105, 0.4526)$

Have a look what the booklet for
Yxy(45.1522, 0.4105, 0.4526)
contains.

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Color

Yxy(45.1841, 0.4107, 0.4531)

Conversions

Conversions Part 1

Format	Color
Hex	C6B44D
RGB	198, 180, 77
RGB Percent	78%, 71%, 30%
CMY	0.2234, 0.2941, 0.6981
CMYK	0.00, 0.09, 0.61, 0.22
HSL	51°, 52%, 54%
HSV	51°, 61%, 78%
XYZ	40.9559, 45.1841, 13.5822
YIQ	173.6400, 43.7910, -28.2170

Conversions

Conversions Part 2

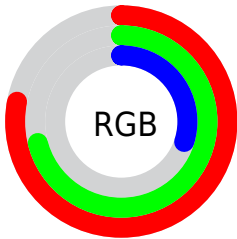
Format	Color
RYB	98, 198, 77
Decimal	13022285
CIELab	73.01, -6.02, 53.54
CIELCh	73, 53.877, 96.416
Yxy	45.1841, 0.4107, 0.4531
Android (android.graphics.Color)	4291212365 (0xFFC6B44D)
YUV	173.6400, -47.6435, 21.3637
Hunter-Lab	67.2191, -8.8753, 35.0734

Details

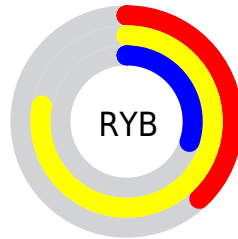
The Yxy color **45.1841, 0.4107, 0.4531** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted orange. A complement of this color would be **13.8465, 0.2008, 0.1603**, and the grayscale version is **42.3678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8626, 0.3935, 0.4332**, and **21.1590, 0.4298, 0.4825** is the 20% darker color. If you saturate the color by 10%, you get **43.7688, 0.4241, 0.4667**, and if you desaturate by 10%, it is **46.7141, 0.3955, 0.4361**.

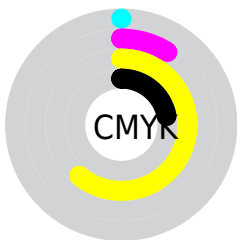
Distribution



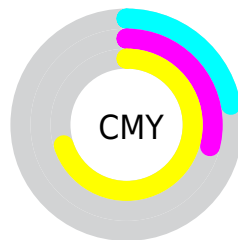
- Red (78%)
- Green (71%)
- Blue (30%)



- Red (38%)
- Yellow (78%)
- Blue (30%)



- Cyan (0%)
- Magenta (9%)
- Yellow (61%)
- Black (22%)





- Cyan (22%)
- Magenta (29%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1841, 0.4107, 0.4531 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 45.1841, 0.4107, 0.4531 by changing the saturation by 10% instead.


 45.1841, 0.4107,
0.4531


 45.1841, 0.4107,
0.4531


367.5187, 0.3650,
0.3932

 31.6025, 0.4201,
0.4663


 82.9966, 0.3954,
0.4324


 21.0580, 0.4308,
0.4819


 107.9963, 0.3892,
0.4243


 13.1664, 0.4422,
0.4999


 137.5707, 0.3839,
0.4173

 7.5433, 0.4580,
0.5255

 172.1043, 0.3791,
0.4112

 3.8041, 0.4600,
0.5400

 211.9816, 0.3750,
0.4058

 1.5646, 0.4505,
0.5495

257.5868, 0.3713,

 0.3336, 0.3377,

0.4011

0.6623

309.3043, 0.3680,
0.3969

0.0000, 0.0000,
0.0000

45.1841, 0.4107,
0.4531

45.1841, 0.4107,
0.4531

43.7688, 0.4241,
0.4667

46.7141, 0.3955,
0.4361

42.4538, 0.4350,
0.4761

48.3597, 0.3792,
0.4165

41.2314, 0.4431,
0.4809

50.1294, 0.3624,
0.3955

40.2078, 0.4484,
0.4821

52.0290, 0.3457,
0.3738

54.0641, 0.3296,
0.3522

■ 56.2397, 0.3144,
0.3313

■ 58.5605, 0.3002,
0.3114

■ 61.0312, 0.2872,
0.2928

■ 63.6415, 0.2754,
0.2758

Harmonies

Analogous

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



45.1841, 0.4553, 0.4066



45.1841, 0.4107, 0.4531



45.1841, 0.3430, 0.4686

Triad

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



45.1841, 0.4107, 0.4531



45.1841, 0.1850, 0.2790



45.1841, 0.3432, 0.2511

Complementary

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



45.1841, 0.4107, 0.4531



13.8465, 0.2008, 0.1603

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.



45.1841, 0.2682, 0.2220



45.1841, 0.4107, 0.4531



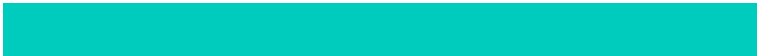
45.1841, 0.1853, 0.2318

Square

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



45.1841, 0.4107, 0.4531



45.1841, 0.2141, 0.3537



45.1841, 0.2133, 0.2142



45.1841, 0.4171, 0.2965

Rectangle

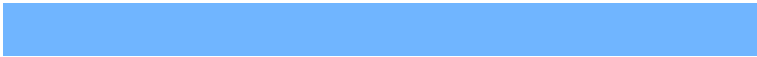
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.1841, 0.4107, 0.4531



45.1841, 0.2942, 0.4496



45.1841, 0.2133, 0.2142



45.1841, 0.3170, 0.2393

Sweetspot

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



45.1862, 0.4107, 0.4531



93.1012, 0.3410, 0.3676



18.1461, 0.4745, 0.3073



19.7053, 0.3459, 0.3740



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.



45.1862, 0.4107, 0.4531



76.7667, 0.4276, 0.4699



47.9742, 0.3606, 0.4916



12.1372, 0.3269, 0.3485



26.2374, 0.4480, 0.4825



1.3176, 0.4411, 0.4880

Inverse Universe

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



13.8465, 0.2008, 0.1603



16.9541, 0.1789, 0.1226



13.3328, 0.2310, 0.1502



10.5384, 0.2983, 0.3087



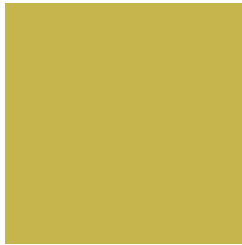
3.3182, 0.1537, 0.0733



0.2410, 0.1627, 0.1055

Previews

White Background



This preview shows how the Yxy color 45.1841, 0.4107, 0.4531 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 45.1841, 0.4107, 0.4531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

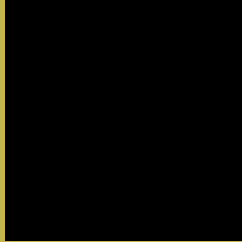
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.1841, 0.4107, 0.4531

Background



This preview shows how black text looks on a background with the Yxy color 45.1841, 0.4107, 0.4531.



This preview shows how white text looks on a background with the Yxy color 45.1841, 0.4107, 0.4531.

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

45.1841, 0.4107, 0.4531

Protanopia

45.3205, 0.4116, 0.4526

Deuteranopia

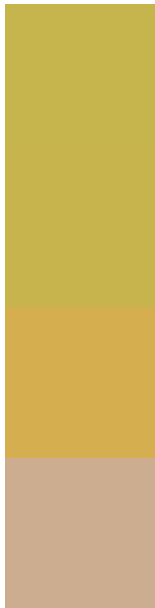
45.2346, 0.4383, 0.4297



Tritanopia

45.0187, 0.3364, 0.3131

Trichromacy



Original Color

45.1841, 0.4107, 0.4531

Protanomaly

45.3205, 0.4116, 0.4526

Deuteranomaly

44.9828, 0.4282, 0.4379

Tritanomaly

44.7381, 0.3670, 0.3659

Monochromacy



Original Color

45.1841, 0.4107, 0.4531

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.9820, 0.3504, 0.3793

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1841, 0.4107, 0.4531 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(198, 180, 77)` looks like.

```
.text, #text, p{  
    color:rgb(198, 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(198, 180, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 180, 77) }
```

Border

The CSS property to change the border of an element to Yxy 45.1841, 0.4107, 0.4531 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(198, 180, 77) }
```

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

```
.border{ border-color:rgb(198, 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(198, 180, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 180, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 180, 77);  
box-shadow:4px 4px 4px 4px rgb(198, 180,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1841, 0.4107, 0.4531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 180, 77) }
```

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

```
.background{ background-color: rgb(198,  
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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