

Converting Colors

$Y_{xy}(45.5524, 0.4081, 0.4594)$

Have a look what the booklet for
Yxy(45.5524, 0.4081, 0.4594)
contains.

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Color

Yxy(45.5524, 0.4081, 0.4594)

Conversions

Conversions Part 1

Format	Color
Hex	C3B64A
RGB	195, 182, 74
RGB Percent	76%, 71%, 29%
CMY	0.2354, 0.2862, 0.7098
CMYK	0.00, 0.07, 0.62, 0.24
HSL	54°, 50%, 53%
HSV	54°, 62%, 76%
XYZ	40.4657, 45.5524, 13.1382
YIQ	173.5750, 42.4160, -30.8320

Conversions

Conversions Part 2

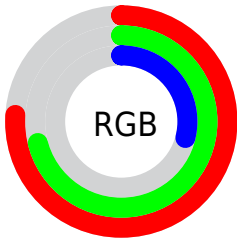
Format	Color
RYB	89, 195, 74
Decimal	12826186
CIELab	73.25, -8.57, 55.06
CIElCh	73, 55.720, 98.851
Yxy	45.5524, 0.4081, 0.4594
Android (android.graphics.Color)	4291016266 (0xFFC3B64A)
YUV	173.5750, -49.0905, 18.7897
Hunter-Lab	67.4925, -11.0908, 35.7033

Details

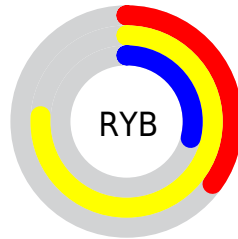
The Yxy color **45.5524, 0.4081, 0.4594** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted orange. A complement of this color would be **12.2066, 0.1975, 0.1499**, and the grayscale version is **42.3381, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7522, 0.3935, 0.4378**, and **21.1412, 0.4268, 0.4898** is the 20% darker color. If you saturate the color by 10%, you get **44.4815, 0.4199, 0.4731**, and if you desaturate by 10%, it is **46.7218, 0.3942, 0.4421**.

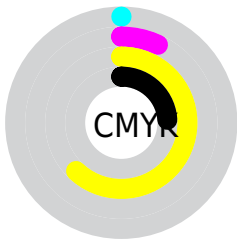
Distribution



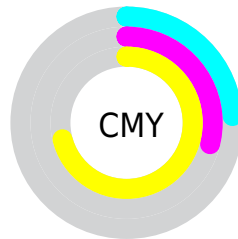
- Red (76%)
- Green (71%)
- Blue (29%)



- Red (35%)
- Yellow (76%)
- Blue (29%)



- Cyan (0%)
- Magenta (7%)
- Yellow (62%)
- Black (24%)



- Cyan (24%)
- Magenta (29%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.5524, 0.4081, 0.4594 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 45.5524, 0.4081, 0.4594 by changing the saturation by 10% instead.


 45.5524, 0.4081,
0.4594

 45.5524, 0.4081,
0.4594


369.0062, 0.3642,
0.3963

 31.8928, 0.4169,
0.4734


 83.5487, 0.3936,
0.4375

 21.2796, 0.4266,
0.4899


 108.6542, 0.3877,
0.4290

 13.3285, 0.4367,
0.5090


 138.3437, 0.3825,
0.4216

 7.6552, 0.4514,
0.5374

 173.0017, 0.3779,
0.4152

 3.8751, 0.4485,
0.5515

 213.0126, 0.3739,
0.4095

 1.6039, 0.4349,
0.5651

258.7607, 0.3703,

 0.3603, 0.2698,

0.4046

0.7302

310.6304, 0.3671,
0.4002

0.0000, 0.0000,
0.0000

45.5524, 0.4081,
0.4594

45.5524, 0.4081,
0.4594

44.4815, 0.4199,
0.4731

46.7218, 0.3942,
0.4421

43.4947, 0.4293,
0.4826

47.9902, 0.3789,
0.4221

42.5849, 0.4359,
0.4876

49.3658, 0.3629,
0.4004

41.9023, 0.4396,
0.4892

50.8542, 0.3467,
0.3779

52.4606, 0.3309,
0.3553

■ 54.1899, 0.3157,
0.3334

■ 56.0466, 0.3015,
0.3124

■ 58.0349, 0.2883,
0.2928

■ 60.1590, 0.2762,
0.2745

Harmonies

Analogous

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



45.5524, 0.4569, 0.4126



45.5524, 0.4081, 0.4594



45.5524, 0.3373, 0.4723

Triad

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



45.5524, 0.4081, 0.4594



45.5524, 0.1806, 0.2720



45.5524, 0.3507, 0.2523

Complementary

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



45.5524, 0.4081, 0.4594



12.2066, 0.1975, 0.1499

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.



45.5524, 0.2725, 0.2209



45.5524, 0.4081, 0.4594



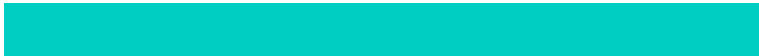
45.5524, 0.1832, 0.2265

Square

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



45.5524, 0.4081, 0.4594



45.5524, 0.2077, 0.3473



45.5524, 0.2142, 0.2109



45.5524, 0.4255, 0.2997

Rectangle

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



45.5524, 0.4081, 0.4594



45.5524, 0.2874, 0.4497



45.5524, 0.2142, 0.2109



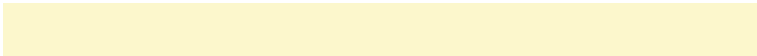
45.5524, 0.3235, 0.2397

Sweetspot

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



45.5545, 0.4081, 0.4594



91.8730, 0.3423, 0.3717



17.2037, 0.4849, 0.3123



19.9406, 0.3470, 0.3783



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.



45.5545, 0.4081, 0.4594



79.1221, 0.4231, 0.4765



45.8677, 0.3574, 0.4957



11.5679, 0.3267, 0.3494



27.3152, 0.4393, 0.4894



1.2341, 0.4343, 0.4934

Inverse Universe

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



12.2066, 0.1975, 0.1499



14.8041, 0.1754, 0.1121



12.8572, 0.2337, 0.1495



9.9179, 0.2983, 0.3078



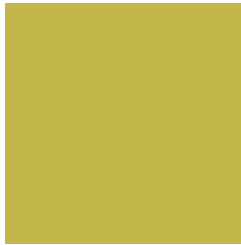
2.9686, 0.1524, 0.0685



0.1878, 0.1598, 0.0952

Previews

White Background



This preview shows how the Yxy color 45.5524, 0.4081, 0.4594 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 45.5524, 0.4081, 0.4594 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 45.5524, 0.4081, 0.4594

Background



This preview shows how black text looks on a background with the Yxy color 45.5524, 0.4081, 0.4594.



This preview shows how white text looks on a background with the Yxy color 45.5524, 0.4081, 0.4594.

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

45.5524, 0.4081, 0.4594

Protanopia

45.4029, 0.4150, 0.4557

Deuteranopia

45.3496, 0.4412, 0.4318



Tritanopia

45.5656, 0.3325, 0.3131

Trichromacy



Original Color

45.5524, 0.4081, 0.4594

Protanomaly

45.5346, 0.4123, 0.4577

Deuteranomaly

45.3279, 0.4293, 0.4415

Tritanomaly

45.0911, 0.3635, 0.3687

Monochromacy



Original Color

45.5524, 0.4081, 0.4594

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.2243, 0.3501, 0.3821

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5524, 0.4081, 0.4594 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(195, 182, 74)` looks like.

```
.text, #text, p{  
    color:rgb(195, 182, 74)  
}
```

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(195, 182, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 182, 74) }
```

Border

The CSS property to change the border of an element to Yxy 45.5524, 0.4081, 0.4594 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(195, 182, 74) }
```

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

```
.border{ border-color:rgb(195, 182, 74) }
```

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

Here you see how a box with a 4 pixel rgb(195, 182, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 182, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 182, 74);  
box-shadow:4px 4px 4px 4px rgb(195, 182,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5524, 0.4081, 0.4594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 182, 74) }
```

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

```
.background{ background-color: rgb(195,  
182, 74) }
```

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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