

Converting Colors

$Y_{xy}(47.6793, 0.4022, 0.4278)$

Have a look what the booklet for
Yxy(47.6793, 0.4022, 0.4278)
contains.

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Color

Yxy(47.6414, 0.4022, 0.4281)

Conversions

Conversions Part 1

Format	Color
Hex	CFB664
RGB	207, 182, 100
RGB Percent	81%, 71%, 39%
CMY	0.1882, 0.2862, 0.6080
CMYK	0.00, 0.12, 0.52, 0.19
HSL	46°, 53%, 60%
HSV	46°, 52%, 81%
XYZ	44.7591, 47.6414, 18.8852
YIQ	180.1270, 41.2220, -20.2020

Conversions

Conversions Part 2

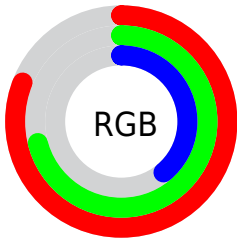
Format	Color
RYB	133, 207, 100
Decimal	13612644
CIELab	74.60, -1.51, 44.67
CIElCh	75, 44.693, 91.934
Yxy	47.6414, 0.4022, 0.4281
Android (android.graphics.Color)	4291802724 (0xFFCFB664)
YUV	180.1270, -39.5026, 23.5676
Hunter-Lab	69.0227, -5.0381, 32.0937

Details

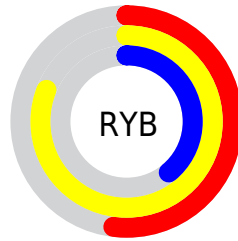
The Yxy color **47.6414, 0.4022, 0.4281** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **21.8706, 0.2214, 0.2030**, and the grayscale version is **45.9130, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7090, 0.3790, 0.4139**, and **22.4148, 0.4230, 0.4514** is the 20% darker color. If you saturate the color by 10%, you get **45.3466, 0.4199, 0.4437**, and if you desaturate by 10%, it is **50.1109, 0.3838, 0.4101**.

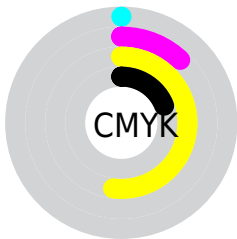
Distribution



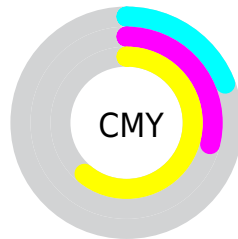
- Red (81%)
- Green (71%)
- Blue (39%)



- Red (52%)
- Yellow (81%)
- Blue (39%)



- Cyan (0%)
- Magenta (12%)
- Yellow (52%)
- Black (19%)




- Cyan (19%)
- Magenta (29%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.6414, 0.4022, 0.4281 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 47.6414, 0.4022, 0.4281 by changing the saturation by 10% instead.

 47.6414, 0.4022,
0.4281


 47.6414, 0.4022,
0.4281


377.3690, 0.3594,
0.3803


 33.5430, 0.4118,
0.4389


 86.6702, 0.3874,
0.4115


 22.5427, 0.4232,
0.4520


 112.3695, 0.3816,
0.4050

 14.2562, 0.4368,
0.4676


 142.7044, 0.3766,
0.3994

 8.2991, 0.4525,
0.4860

 178.0595, 0.3722,
0.3946

 4.2869, 0.4808,
0.5192

218.8191, 0.3684,
0.3903

 1.8353, 0.4787,
0.5213

265.3676, 0.3651,

 0.5090, 0.4676,

0.3866

0.5324

318.0894, 0.3621,
0.3833

0.0000, 0.0000,
0.0000

47.6414, 0.4022,
0.4281

47.6414, 0.4022,
0.4281

45.3466, 0.4199,
0.4437

50.1109, 0.3838,
0.4101

43.2112, 0.4360,
0.4559

52.7559, 0.3654,
0.3907

41.2276, 0.4499,
0.4638

55.5860, 0.3477,
0.3708

39.3845, 0.4609,
0.4669

58.6075, 0.3309,
0.3511

37.9457, 0.4681,
0.4665

61.8268, 0.3152,
0.3321

■ 65.2496, 0.3009,
0.3142

■ 68.8813, 0.2880,
0.2973

■ 72.0277, 0.2822,
0.2923

■ 74.6122, 0.2826,
0.2976

Harmonies

Analogous

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



47.6414, 0.4333, 0.3895



47.6414, 0.4022, 0.4281



47.6414, 0.3486, 0.4423

Triad

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



47.6414, 0.4022, 0.4281



47.6414, 0.2081, 0.2975



47.6414, 0.3287, 0.2591

Complementary

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



47.6414, 0.4022, 0.4281



21.8706, 0.2214, 0.2030

Split Complementary

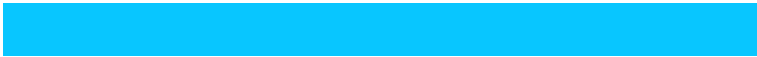
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



47.6414, 0.2684, 0.2367



47.6414, 0.4022, 0.4281



47.6414, 0.2041, 0.2535

Square

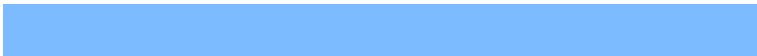
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



47.6414, 0.4022, 0.4281



47.6414, 0.2374, 0.3596



47.6414, 0.2248, 0.2338



47.6414, 0.3900, 0.2965

Rectangle

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



47.6414, 0.4022, 0.4281



47.6414, 0.3081, 0.4302



47.6414, 0.2248, 0.2338



47.6414, 0.3075, 0.2498

Sweetspot

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



47.6436, 0.4022, 0.4281



91.7164, 0.3383, 0.3599



23.8993, 0.4220, 0.2958



19.4159, 0.3418, 0.3640



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.



47.6436, 0.4022, 0.4281



72.3063, 0.4216, 0.4452



55.2774, 0.3649, 0.4638



13.3100, 0.3272, 0.3467



24.0582, 0.4673, 0.4672



1.4616, 0.4567, 0.4756

Inverse Universe

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



21.8706, 0.2214, 0.2030



26.7559, 0.2013, 0.1711



18.1048, 0.2362, 0.1743



11.8594, 0.2982, 0.3106



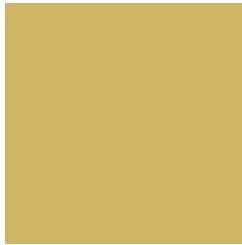
4.3092, 0.1574, 0.0866



0.3655, 0.1673, 0.1223

Previews

White Background



This preview shows how the Yxy color 47.6414, 0.4022, 0.4281 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 47.6414, 0.4022, 0.4281 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

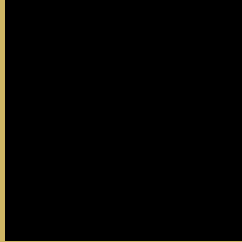
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.6414, 0.4022, 0.4281

Background



This preview shows how black text looks on a background with the Yxy color 47.6414, 0.4022, 0.4281.



This preview shows how white text looks on a background with the Yxy color 47.6414, 0.4022, 0.4281.

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

47.6414, 0.4022, 0.4281

Protanopia

47.7771, 0.3956, 0.4310

Deuteranopia

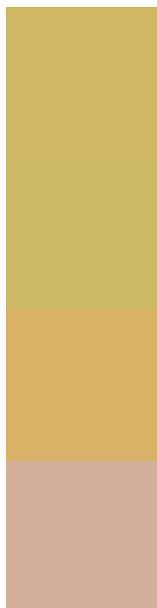
47.4665, 0.4211, 0.4123



Tritanopia

47.4973, 0.3397, 0.3124

Trichromacy



Original Color

47.6414, 0.4022, 0.4281

Protanomaly

47.6439, 0.3980, 0.4292

Deuteranomaly

47.6858, 0.4143, 0.4187

Tritanomaly

47.4143, 0.3637, 0.3549

Monochromacy



Original Color

47.6414, 0.4022, 0.4281

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.2293, 0.3454, 0.3684

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6414, 0.4022, 0.4281 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(207, 182, 100)` looks like.

```
.text, #text, p{  
    color:rgb(207, 182, 100)  
}
```

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(207, 182, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 182, 100) }
```

Border

The CSS property to change the border of an element to Yxy 47.6414, 0.4022, 0.4281 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(207, 182, 100) }
```

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

```
.border{ border-color:rgb(207, 182, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 182, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 182, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 182, 100);  
box-shadow:4px 4px 4px 4px rgb(207, 182,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6414, 0.4022, 0.4281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 182, 100) }
```

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

```
.background{ background-color: rgb(207,  
182, 100) }
```

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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