

Converting Colors

$Y_{xy}(44.7711, 0.4273, 0.4606)$

Have a look what the booklet for
Yxy(44.7711, 0.4273, 0.4606)
contains.

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Color

Yxy(44.6186, 0.4278, 0.4603)

Conversions

Conversions Part 1

Format	Color
Hex	CCB13D
RGB	204, 177, 61
RGB Percent	80%, 69%, 24%
CMY	0.2000, 0.3059, 0.7606
CMYK	0.00, 0.13, 0.70, 0.20
HSL	49°, 58%, 52%
HSV	49°, 70%, 80%
XYZ	41.4683, 44.6186, 10.8469
YIQ	171.8490, 53.3280, -30.3520

Conversions

Conversions Part 2

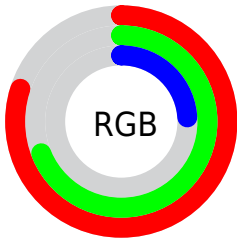
Format	Color
R_{YB}	94, 204, 61
Decimal	13414717
CIE _{Lab}	72.64, -2.85, 60.11
CIE _{LCh}	73, 60.181, 92.710
Yxy	44.6186, 0.4278, 0.4603
Android (android.graphics.Color)	4291604797 (0xFFCCB13D)
YUV	171.8490, -54.6486, 28.1964
Hunter-Lab	66.7972, -6.0807, 37.1302

Details

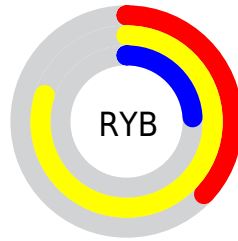
The Yxy color **44.6186, 0.4278, 0.4603** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **12.3400, 0.1869, 0.1413**, and the grayscale version is **41.4395, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2110, 0.4038, 0.4426**, and **20.7782, 0.4466, 0.4836** is the 20% darker color. If you saturate the color by 10%, you get **42.9401, 0.4404, 0.4696**, and if you desaturate by 10%, it is **46.4279, 0.4129, 0.4469**.

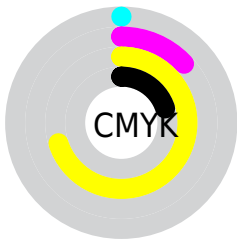
Distribution



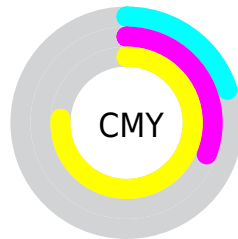
- Red (80%)
- Green (69%)
- Blue (24%)



- Red (37%)
- Yellow (80%)
- Blue (24%)



- Cyan (0%)
- Magenta (13%)
- Yellow (70%)
- Black (20%)





- Cyan (20%)
- Magenta (31%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.6186, 0.4278, 0.4603 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 44.6186, 0.4278, 0.4603 by changing the saturation by 10% instead.


 44.6186, 0.4278,
0.4603


 44.6186, 0.4278,
0.4603


365.2267, 0.3748,
0.3988

 31.1571, 0.4383,
0.4729


 82.1478, 0.4104,
0.4397


 20.7185, 0.4497,
0.4871


 106.9843, 0.4032,
0.4314

 12.9184, 0.4614,
0.5022


 136.3812, 0.3970,
0.4241

 7.3724, 0.4771,
0.5229

 170.7230, 0.3914,
0.4178

 3.6961, 0.4744,
0.5256

 210.3941, 0.3866,
0.4122

 1.5050, 0.4698,
0.5302

255.7788, 0.3822,

 0.2923, 0.4162,

0.4072

0.5838

307.2615, 0.3783,
0.4028

■ 0.0000, 0.0000,
0.0000

■ 44.6186, 0.4278,
0.4603

■ 44.6186, 0.4278,
0.4603

■ 42.9401, 0.4404,
0.4696

■ 46.4279, 0.4129,
0.4469

■ 41.3757, 0.4502,
0.4743

■ 48.3705, 0.3964,
0.4301

■ 39.9194, 0.4574,
0.4750

■ 50.4563, 0.3790,
0.4110

■ 52.6924, 0.3615,
0.3906

■ 55.0851, 0.3444,
0.3697

■ 57.6404, 0.3281,
0.3491

■ 60.3640, 0.3128,
0.3292

■ 63.2612, 0.2988,
0.3103

■ 66.3368, 0.2859,
0.2927

Harmonies

Analogous

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



44.6186, 0.4742, 0.4047



44.6186, 0.4278, 0.4603



44.6186, 0.3545, 0.4870

Triad

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



44.6186, 0.4278, 0.4603



44.6186, 0.1741, 0.2807



44.6186, 0.3353, 0.2381

Complementary

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



44.6186, 0.4278, 0.4603



12.3400, 0.1869, 0.1413

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.



44.6186, 0.2539, 0.2090



44.6186, 0.4278, 0.4603



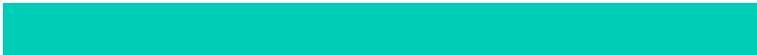
44.6186, 0.1710, 0.2253

Square

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



44.6186, 0.4278, 0.4603



44.6186, 0.2091, 0.3677



44.6186, 0.1976, 0.2034



44.6186, 0.4207, 0.2855

Rectangle

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



44.6186, 0.4278, 0.4603



44.6186, 0.3005, 0.4724



44.6186, 0.1976, 0.2034



44.6186, 0.3062, 0.2261

Sweetspot

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



44.6207, 0.4278, 0.4603



90.7339, 0.3464, 0.3722



16.9120, 0.5012, 0.2984



19.1797, 0.3512, 0.3780



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.



44.6207, 0.4278, 0.4603



69.7869, 0.4457, 0.4725



51.1146, 0.3694, 0.5081



12.7224, 0.3270, 0.3477



25.2531, 0.4568, 0.4755



1.3981, 0.4482, 0.4823

Inverse Universe

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



12.3400, 0.1869, 0.1413



13.6105, 0.1665, 0.1034



10.6407, 0.2097, 0.1221



11.1812, 0.2982, 0.3096



3.7401, 0.1553, 0.0789



0.2984, 0.1650, 0.1139

Previews

White Background



This preview shows how the Yxy color 44.6186, 0.4278, 0.4603 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 44.6186, 0.4278, 0.4603 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 44.6186, 0.4278, 0.4603

Background



This preview shows how black text looks on a background with the Yxy color 44.6186, 0.4278, 0.4603.



This preview shows how white text looks on a background with the Yxy color 44.6186, 0.4278, 0.4603.

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

44.6186, 0.4278, 0.4603

Protanopia

44.7192, 0.4214, 0.4651

Deuteranopia

44.4341, 0.4509, 0.4399



Tritanopia

44.6329, 0.3461, 0.3146

Trichromacy



Original Color

44.6186, 0.4278, 0.4603

Protanomaly

44.5952, 0.4241, 0.4630

Deuteranomaly

44.4629, 0.4423, 0.4473

Tritanomaly

44.2004, 0.3822, 0.3727

Monochromacy



Original Color

44.6186, 0.4278, 0.4603

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.1284, 0.3581, 0.3861

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6186, 0.4278, 0.4603 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(204, 177, 61)` looks like.

```
.text, #text, p{  
    color:rgb(204, 177, 61)  
}
```

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(204, 177, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 177, 61) }
```

Border

The CSS property to change the border of an element to Yxy 44.6186, 0.4278, 0.4603 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(204, 177, 61) }
```

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

```
.border{ border-color:rgb(204, 177, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 177, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 177, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 177, 61);  
box-shadow:4px 4px 4px 4px rgb(204, 177,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6186, 0.4278, 0.4603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 177, 61) }
```

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

```
.background{ background-color: rgb(204,  
177, 61) }
```

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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