

Converting Colors

$Y_{xy}(25.6675, 0.4413, 0.3396)$

Have a look what the booklet for
Yxy(25.6675, 0.4413, 0.3396)
contains.

Yxy(25.6675, 0.4413, 0.3396)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.6675, 0.4413, 0.3396)

Conversions

Conversions Part 1

Format	Color
Hex	CC7169
RGB	204, 113, 105
RGB Percent	80%, 44%, 41%
CMY	0.2000, 0.5568, 0.5882
CMYK	0.00, 0.45, 0.49, 0.20
HSL	5°, 49%, 61%
HSV	5°, 49%, 80%
XYZ	33.3541, 25.6675, 16.5599
YIQ	139.2970, 56.8040, 16.8040

Conversions

Conversions Part 2

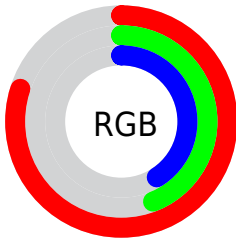
Format	Color
R_{YB}	204, 114, 105
Decimal	13398377
CIE Lab	57.72, 34.92, 20.35
CIE LCh	58, 40.411, 30.231
Yxy	25.6675, 0.4413, 0.3396
Android (android.graphics.Color)	4291588457 (0xFFCC7169)
YUV	139.2970, -16.9084, 56.7445
Hunter-Lab	50.6631, 28.8554, 16.0844

Details

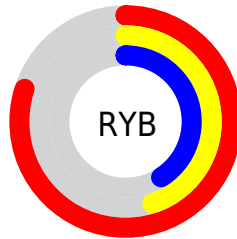
The Yxy color **25.6675, 0.4413, 0.3396** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **46.8289, 0.2471, 0.3174**, and the grayscale version is **25.9903, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.9327, 0.4062, 0.3398**, and **9.9715, 0.4874, 0.3376** is the 20% darker color. If you saturate the color by 10%, you get **21.5381, 0.4838, 0.3411**, and if you desaturate by 10%, it is **30.7641, 0.4043, 0.3375**.

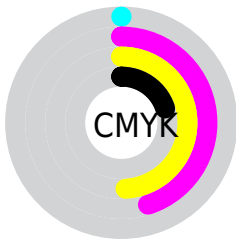
Distribution



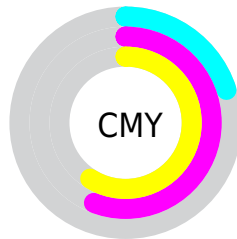
- Red (80%)
- Green (44%)
- Blue (41%)



- Red (80%)
- Yellow (45%)
- Blue (41%)



- Cyan (0%)
- Magenta (45%)
- Yellow (49%)
- Black (20%)




- Cyan (20%)
- Magenta (56%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.6675, 0.4413, 0.3396 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 25.6675, 0.4413, 0.3396 by changing the saturation by 10% instead.


 25.6675, 0.4413,
0.3396


 25.6675, 0.4413,
0.3396


281.1460, 0.3701,
0.3369


 16.5751, 0.4614,
0.3390


 52.7381, 0.4137,
0.3394

 9.9320, 0.4884,
0.3372


 71.4850, 0.4039,
0.3391

 5.3539, 0.5264,
0.3326


 94.2188, 0.3958,
0.3387

 2.4564, 0.5842,
0.3222

 121.3240, 0.3890,
0.3383

 0.8547, 0.6966,
0.3034

153.1849, 0.3832,
0.3379

 0.0000, 1.0000,
0.0000

190.1860, 0.3782,

 0.0000, 0.0000,


0.3376


0.0000


232.7115, 0.3739,
0.3372

 25.6675, 0.4413,
0.3396


 25.6675, 0.4413,
0.3396

 21.5381, 0.4838,
0.3411


 30.7641, 0.4043,
0.3375

 18.3111, 0.5294,
0.3416


 36.8795, 0.3732,
0.3353

 15.9199, 0.5734,
0.3406


 44.0665, 0.3478,
0.3330


 14.2870, 0.6092,
0.3380


 52.3729, 0.3272,
0.3308


 13.3175, 0.6320,
0.3346

 61.8437, 0.3105,
0.3287

 13.2218, 0.6345,
0.3344

 72.5214, 0.2969,
0.3269

 84.4465, 0.2858,
0.3252

 91.5756, 0.2827,
0.3289

Harmonies

Analogous

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



25.6675, 0.3950, 0.2902



25.6675, 0.4413, 0.3396



25.6675, 0.4470, 0.3913

Triad

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



25.6675, 0.4413, 0.3396



25.6675, 0.2885, 0.4311



25.6675, 0.2142, 0.2250

Complementary

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



25.6675, 0.4413, 0.3396



46.8289, 0.2471, 0.3174

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.



25.6675, 0.1933, 0.2473



25.6675, 0.4413, 0.3396



25.6675, 0.2319, 0.3670

Square

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



25.6675, 0.4413, 0.3396



25.6675, 0.3551, 0.4556



25.6675, 0.1989, 0.2967



25.6675, 0.2602, 0.2273

Rectangle

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



25.6675, 0.4413, 0.3396



25.6675, 0.4283, 0.4227



25.6675, 0.1989, 0.2967



25.6675, 0.2043, 0.2295

Sweetspot

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



25.6688, 0.4413, 0.3396



77.3632, 0.3405, 0.3322



26.9872, 0.3252, 0.2190



15.9537, 0.3451, 0.3327



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.



25.6688, 0.4413, 0.3396



35.5358, 0.4848, 0.3411



39.3773, 0.4085, 0.4000



11.3572, 0.3288, 0.3309



8.3788, 0.6333, 0.3354



0.4841, 0.6124, 0.3520

Inverse Universe

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



46.8289, 0.2471, 0.3174



74.4666, 0.2374, 0.3146



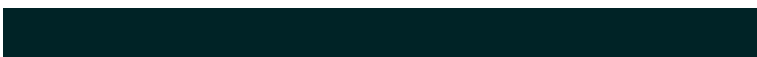
28.5084, 0.2333, 0.2437



12.5655, 0.2984, 0.3271



25.3067, 0.2177, 0.3037



1.3526, 0.2192, 0.3090

Previews

White Background



This preview shows how the Yxy color 25.6675, 0.4413, 0.3396 looks on a white background.

Color Contrast Check

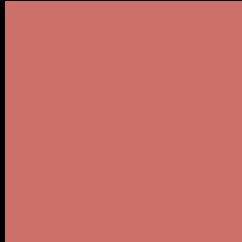
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.6675, 0.4413, 0.3396 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 × Fail

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

Yxy 25.6675, 0.4413, 0.3396

Background



This preview shows how black text looks on a background with the Yxy color 25.6675, 0.4413, 0.3396.



This preview shows how white text looks on a background with the Yxy color 25.6675, 0.4413, 0.3396.

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

25.6675, 0.4413, 0.3396

Protanopia

25.9526, 0.3448, 0.3656

Deuteranopia

25.7140, 0.3869, 0.3789



Tritanopia

25.6799, 0.4248, 0.3191

Trichromacy



Original Color

25.6675, 0.4413, 0.3396

Protanomaly

25.4823, 0.3781, 0.3554

Deuteranomaly

25.4647, 0.4070, 0.3643

Tritanomaly

25.7824, 0.4311, 0.3268

Monochromacy



Original Color

25.6675, 0.4413, 0.3396

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

25.2841, 0.3554, 0.3338

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.6675, 0.4413, 0.3396 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, 113, 105)` looks like.

```
.text, #text, p{  
    color:rgb(204, 113, 105)  
}
```

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, 113, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 113, 105) }
```

Border

The CSS property to change the border of an element to Yxy 25.6675, 0.4413, 0.3396 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, 113, 105) }
```

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

```
.border{ border-color:rgb(204, 113, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 113, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 113, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 113, 105);  
box-shadow:4px 4px 4px 4px rgb(204, 113,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 25.6675, 0.4413, 0.3396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 113, 105) }
```

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

```
.background{ background-color: rgb(204,  
113, 105) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor