

Converting Colors

$Y_{xy}(22.7366, 0.4527, 0.3207)$

Have a look what the booklet for
Yxy(22.7366, 0.4527, 0.3207)
contains.

Yxy(22.7344, 0.4527, 0.3207)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.7344, 0.4527, 0.3207)

Conversions

Conversions Part 1

Format	Color
Hex	CD6269
RGB	205, 98, 105
RGB Percent	80%, 38%, 41%
CMY	0.1961, 0.6156, 0.5882
CMYK	0.00, 0.52, 0.49, 0.20
HSL	356°, 52%, 59%
HSV	356°, 52%, 80%
XYZ	32.0919, 22.7344, 16.0637
YIQ	130.7910, 61.5250, 24.8610

Conversions

Conversions Part 2

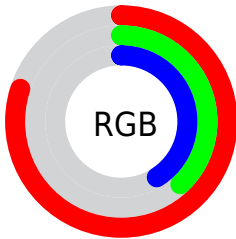
Format	Color
R _Y B	205, 98, 105
Decimal	13460073
CIE Lab	54.80, 43.01, 16.39
CIE LCh	55, 46.021, 20.857
Yxy	22.7344, 0.4527, 0.3207
Android (android.graphics.Color)	4291650153 (0xFFCD6269)
YUV	130.7910, -12.7150, 65.0813
Hunter-Lab	47.6806, 36.7000, 13.4015

Details

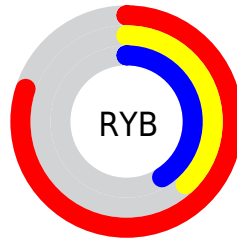
The Yxy color **22.7344, 0.4527, 0.3207** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **50.3304, 0.2494, 0.3388**, and the grayscale version is **22.6501, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.7935, 0.4126, 0.3240**, and **8.3705, 0.5060, 0.3115** is the 20% darker color. If you saturate the color by 10%, you get **19.0271, 0.4968, 0.3200**, and if you desaturate by 10%, it is **27.5150, 0.4138, 0.3220**.

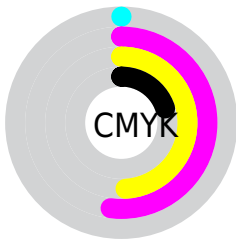
Distribution



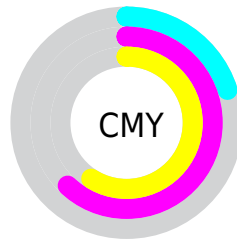
- Red (80%)
- Green (38%)
- Blue (41%)



- Red (80%)
- Yellow (38%)
- Blue (41%)



- Cyan (0%)
- Magenta (52%)
- Yellow (49%)
- Black (20%)




- Cyan (20%)
- Magenta (62%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.7344, 0.4527, 0.3207 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 22.7344, 0.4527, 0.3207 by changing the saturation by 10% instead.


 22.7344, 0.4527,
0.3207


 22.7344, 0.4527,
0.3207


266.3579, 0.3739,
0.3283


 14.3975, 0.4755,
0.3171


 47.9568, 0.4218,
0.3246


 8.3977, 0.5067,
0.3113


 65.6112, 0.4109,
0.3257

 4.3504, 0.5513,
0.3009

 87.1401, 0.4019,
0.3265

 1.8715, 0.6219,
0.2819

 112.9281, 0.3944,
0.3271

 0.5311, 0.7697,
0.2303

143.3595, 0.3881,
0.3275

 0.0000, 1.0000,
0.0000

178.8186, 0.3827,

 0.0000, 0.0000,


0.3279


0.0000


219.6900, 0.3780,
0.3281


 22.7344, 0.4527,
0.3207


 22.7344, 0.4527,
0.3207


 19.0271, 0.4968,
0.3200


 27.5150, 0.4138,
0.3220


 16.3068, 0.5430,
0.3204

 33.4392, 0.3812,
0.3236

 14.4802, 0.5857,
0.3220

 40.5757, 0.3546,
0.3254

 13.4340, 0.6181,
0.3247

 48.9865, 0.3332,
0.3271

 13.0073, 0.6339,
0.3266

 58.7295, 0.3160,
0.3287

■ 69.8592, 0.3022,
0.3301

■ 82.4268, 0.2911,
0.3315

■ 91.7172, 0.2832,
0.3289

Harmonies

Analogous

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



22.7344, 0.3856, 0.2675



22.7344, 0.4527, 0.3207



22.7344, 0.4740, 0.3796

Triad

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



22.7344, 0.4527, 0.3207



22.7344, 0.3064, 0.4681



22.7344, 0.1881, 0.2129

Complementary

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



22.7344, 0.4527, 0.3207



50.3304, 0.2494, 0.3388

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.



22.7344, 0.1736, 0.2466



22.7344, 0.4527, 0.3207



22.7344, 0.2353, 0.4015

Square

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



22.7344, 0.4527, 0.3207



22.7344, 0.3833, 0.4759



22.7344, 0.1888, 0.3133



22.7344, 0.2314, 0.2081

Rectangle

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



22.7344, 0.4527, 0.3207



22.7344, 0.4598, 0.4186



22.7344, 0.1888, 0.3133



22.7344, 0.1801, 0.2206

Sweetspot

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



22.7356, 0.4527, 0.3207



74.4573, 0.3412, 0.3264



25.1315, 0.3108, 0.2021



15.3228, 0.3457, 0.3260



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.



22.7356, 0.4527, 0.3207



30.3447, 0.5043, 0.3200



33.9180, 0.4277, 0.3878



11.2254, 0.3280, 0.3275



8.1038, 0.6323, 0.3257



0.4223, 0.6070, 0.3118

Inverse Universe

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



22.7356, 0.4527, 0.3207



30.3447, 0.5043, 0.3200



31.6747, 0.2319, 0.2587



11.2254, 0.3280, 0.3275



8.1038, 0.6323, 0.3257



0.4223, 0.6070, 0.3118

Previews

White Background



This preview shows how the Yxy color 22.7344, 0.4527, 0.3207 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 22.7344, 0.4527, 0.3207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

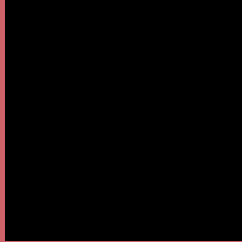
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7344, 0.4527, 0.3207

Background



This preview shows how black text looks on a background with the Yxy color 22.7344, 0.4527, 0.3207.



This preview shows how white text looks on a background with the Yxy color 22.7344, 0.4527, 0.3207.

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

22.7344, 0.4527, 0.3207

Protanopia

22.8473, 0.3295, 0.3466

Deuteranopia

22.8104, 0.3796, 0.3720



Tritanopia

22.7344, 0.4527, 0.3207

Trichromacy



Original Color

22.7344, 0.4527, 0.3207

Protanomaly

22.0085, 0.3719, 0.3356

Deuteranomaly

22.3343, 0.4061, 0.3505

Tritanomaly

22.7344, 0.4527, 0.3207

Monochromacy



Original Color

22.7344, 0.4527, 0.3207

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

21.8679, 0.3590, 0.3243

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7344, 0.4527, 0.3207 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(205, 98, 105)` looks like.

```
.text, #text, p{  
    color:rgb(205, 98, 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(205, 98, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 98, 105) }
```

Border

The CSS property to change the border of an element to Yxy 22.7344, 0.4527, 0.3207 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(205, 98, 105) }
```

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

```
.border{ border-color:rgb(205, 98, 105) }
```

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

Here you see how a box with a 4 pixel rgb(205, 98, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 98, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 98, 105);  
box-shadow:4px 4px 4px 4px rgb(205, 98,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7344, 0.4527, 0.3207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 98, 105) }
```

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

```
.background{ background-color: rgb(205, 98,  
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