

Converting Colors

$Y_{xy}(22.6042, 0.4474, 0.3294)$

Have a look what the booklet for
Yxy(22.6042, 0.4474, 0.3294)
contains.

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Color

Yxy(22.6042, 0.4474, 0.3294)

Conversions

Conversions Part 1

Format	Color
Hex	C76666
RGB	199, 102, 102
RGB Percent	78%, 40%, 40%
CMY	0.2196, 0.6000, 0.6000
CMYK	0.00, 0.49, 0.49, 0.22
HSL	0°, 46%, 59%
HSV	0°, 49%, 78%
XYZ	30.7016, 22.6042, 15.3165
YIQ	131.0030, 57.8120, 20.5640

Conversions

Conversions Part 2

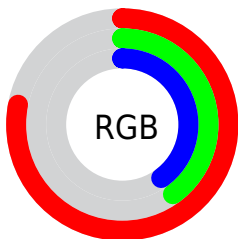
Format	Color
R _Y B	199, 102, 102
Decimal	13067878
CIE Lab	54.66, 38.49, 17.82
CIE LCh	55, 42.411, 24.840
Yxy	22.6042, 0.4474, 0.3294
Android (android.graphics.Color)	4291257958 (0xFFC76666)
YUV	131.0030, -14.2985, 59.6334
Hunter-Lab	47.5439, 32.0653, 14.1801

Details

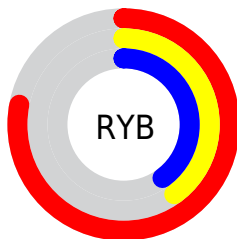
The Yxy color **22.6042, 0.4474, 0.3294** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **47.7894, 0.2491, 0.3288**, and the grayscale version is **22.7359, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.0026, 0.4140, 0.3314**, and **8.3062, 0.5002, 0.3231** is the 20% darker color. If you saturate the color by 10%, you get **18.8035, 0.4925, 0.3295**, and if you desaturate by 10%, it is **27.4406, 0.4081, 0.3293**.

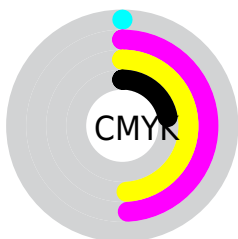
Distribution



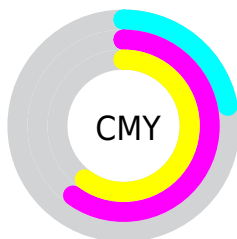
- Red (78%)
- Green (40%)
- Blue (40%)



- Red (78%)
- Yellow (40%)
- Blue (40%)



- Cyan (0%)
- Magenta (49%)
- Yellow (49%)
- Black (22%)




- Cyan (22%)
- Magenta (60%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.6042, 0.4474, 0.3294 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 22.6042, 0.4474, 0.3294 by changing the saturation by 10% instead.


 22.6042, 0.4474,
0.3294


 22.6042, 0.4474,
0.3294


265.6855, 0.3714,
0.3322


 14.3015, 0.4694,
0.3271


 47.7426, 0.4176,
0.3314


 8.3307, 0.4996,
0.3230


 65.3471, 0.4070,
0.3319

 4.3073, 0.5429,
0.3149


 86.8210, 0.3984,
0.3321

 1.8469, 0.6147,
0.3004

 112.5488, 0.3912,
0.3322

 0.5161, 0.7535,
0.2465

142.9147, 0.3851,
0.3323

 0.0000, 1.0000,
0.0000

178.3032, 0.3799,

 0.0000, 0.0000,


0.3323


0.0000

219.0987, 0.3754,
0.3323


 22.6042, 0.4474,
0.3294


 22.6042, 0.4474,
0.3294

 18.8035, 0.4925,
0.3295


 27.4406, 0.4081,
0.3293

 15.9598, 0.5404,
0.3297


 33.3769, 0.3754,
0.3292

 13.9889, 0.5850,
0.3298


 40.4762, 0.3489,
0.3291


 12.7905, 0.6189,
0.3299

 48.7958, 0.3277,
0.3290


 12.2013, 0.6380,
0.3300

 58.3894, 0.3108,
0.3290

 12.1413, 0.6401,
0.3300

 69.3074, 0.2972,
0.3290

 81.5972, 0.2863,
0.3289

 90.8811, 0.2800,
0.3289

Harmonies

Analogous

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



22.6042, 0.3901, 0.2780



22.6042, 0.4474, 0.3294



22.6042, 0.4613, 0.3851

Triad

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



22.6042, 0.4474, 0.3294



22.6042, 0.2982, 0.4509



22.6042, 0.2001, 0.2186

Complementary

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



22.6042, 0.4474, 0.3294



47.7894, 0.2491, 0.3288

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.



22.6042, 0.1827, 0.2470



22.6042, 0.4474, 0.3294



22.6042, 0.2339, 0.3850

Square

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



22.6042, 0.4474, 0.3294



22.6042, 0.3704, 0.4669



22.6042, 0.1936, 0.3055



22.6042, 0.2446, 0.2170

Rectangle

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



22.6042, 0.4474, 0.3294



22.6042, 0.4452, 0.4207



22.6042, 0.1936, 0.3055



22.6042, 0.1912, 0.2249

Sweetspot

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



22.6054, 0.4474, 0.3294



75.7547, 0.3409, 0.3291



25.7681, 0.3182, 0.2124



15.5732, 0.3457, 0.3291



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.



22.6054, 0.4474, 0.3294



32.8615, 0.4931, 0.3295



35.0729, 0.4131, 0.3923



10.6370, 0.3290, 0.3291



7.8078, 0.6401, 0.3300



0.3697, 0.6401, 0.3300

Inverse Universe

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



47.7894, 0.2491, 0.3288



81.8670, 0.2405, 0.3288



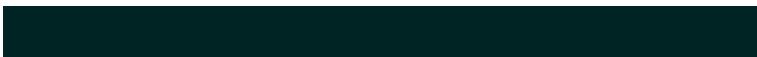
28.9206, 0.2351, 0.2539



12.0675, 0.2984, 0.3290



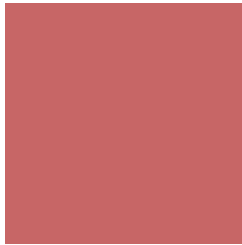
28.9139, 0.2247, 0.3287



1.3691, 0.2247, 0.3287

Previews

White Background



This preview shows how the Yxy color 22.6042, 0.4474, 0.3294 looks on a white background.

Color Contrast Check

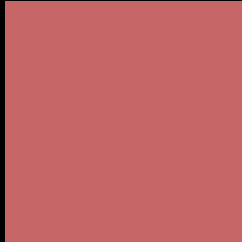
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.6042, 0.4474, 0.3294 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 22.6042, 0.4474, 0.3294

Background



This preview shows how black text looks on a background with the Yxy color 22.6042, 0.4474, 0.3294.



This preview shows how white text looks on a background with the Yxy color 22.6042, 0.4474, 0.3294.

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

22.6042, 0.4474, 0.3294

Protanopia

22.8119, 0.3363, 0.3554

Deuteranopia

22.7721, 0.3820, 0.3753



Tritanopia

22.5322, 0.4394, 0.3203

Trichromacy



Original Color

22.6042, 0.4474, 0.3294

Protanomaly

22.0542, 0.3753, 0.3437

Deuteranomaly

22.2814, 0.4068, 0.3568

Tritanomaly

22.4901, 0.4423, 0.3229

Monochromacy



Original Color

22.6042, 0.4474, 0.3294

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

21.8569, 0.3587, 0.3291

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6042, 0.4474, 0.3294 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(199, 102, 102)` looks like.

```
.text, #text, p{  
    color:rgb(199, 102, 102)  
}
```

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(199, 102, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 102, 102) }
```

Border

The CSS property to change the border of an element to Yxy 22.6042, 0.4474, 0.3294 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(199, 102, 102) }
```

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

```
.border{ border-color:rgb(199, 102, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 102, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 102, 102); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 102, 102); box-shadow:4px 4px 4px 4px rgb(199, 102, 102) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6042, 0.4474, 0.3294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 102, 102) }
```

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

```
.background{ background-color: rgb(199,  
102, 102) }
```

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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