

Converting Colors

$Y_{xy}(22.2784, 0.4386, 0.3169)$

Have a look what the booklet for
Yxy(22.2784, 0.4386, 0.3169)
contains.

Yxy(22.3606, 0.4386, 0.3177)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.3606, 0.4386, 0.3177)

Conversions

Conversions Part 1

Format	Color
Hex	C7646D
RGB	199, 100, 109
RGB Percent	78%, 39%, 43%
CMY	0.2196, 0.6078, 0.5726
CMYK	0.00, 0.50, 0.45, 0.22
HSL	355°, 47%, 59%
HSV	355°, 50%, 78%
XYZ	30.8699, 22.3606, 17.1523
YIQ	130.6270, 56.1150, 23.7870

Conversions

Conversions Part 2

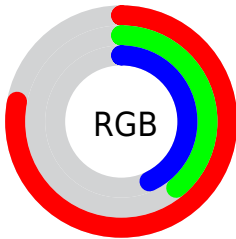
Format	Color
R _Y B	199, 100, 109
Decimal	13067373
CIE Lab	54.41, 40.21, 13.38
CIE LCh	54, 42.378, 18.401
Yxy	22.3606, 0.4386, 0.3177
Android (android.graphics.Color)	4291257453 (0xFFC7646D)
YUV	130.6270, -10.6621, 59.9631
Hunter-Lab	47.2870, 33.7760, 11.5948

Details

The Yxy color **22.3606, 0.4386, 0.3177** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **47.2751, 0.2530, 0.3419**, and the grayscale version is **22.5814, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.5805, 0.4076, 0.3219**, and **8.2071, 0.4866, 0.3083** is the 20% darker color. If you saturate the color by 10%, you get **18.6486, 0.4804, 0.3164**, and if you desaturate by 10%, it is **27.0873, 0.4024, 0.3197**.

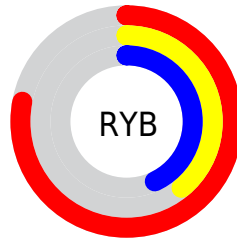
Distribution



Red (78%)

Green (39%)

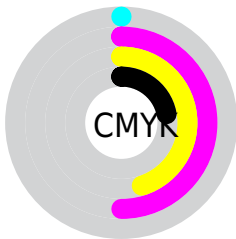
Blue (43%)



Red (78%)

Yellow (39%)

Blue (43%)

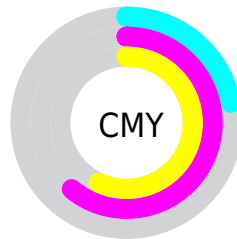


Cyan (0%)

Magenta (50%)

Yellow (45%)

Black (22%)



Cyan (22%)


Magenta (61%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3606, 0.4386, 0.3177 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 22.3606, 0.4386, 0.3177 by changing the saturation by 10% instead.


 22.3606, 0.4386,
0.3177


 22.3606, 0.4386,
0.3177


264.4237, 0.3675,
0.3263


 14.1221, 0.4594,
0.3142


 47.3413, 0.4106,
0.3218

 8.2056, 0.4880,
0.3085


 64.8522, 0.4007,
0.3230

 4.2268, 0.5296,
0.2988

 86.2228, 0.3927,
0.3239

 1.8012, 0.5948,
0.2804

 111.8374, 0.3860,
0.3246

 0.4879, 0.7664,
0.2336

142.0804, 0.3803,
0.3252

 0.0000, 1.0000,
0.0000

177.3362, 0.3754,

 0.0000, 0.0000,


0.3256

0.0000

217.9891, 0.3712,
0.3260


 22.3606, 0.4386,
0.3177


 22.3606, 0.4386,
0.3177

 18.6486, 0.4804,
0.3164


 27.0873, 0.4024,
0.3197

 15.8739, 0.5255,
0.3163


 32.8919, 0.3724,
0.3221


 13.9534, 0.5695,
0.3178


 39.8366, 0.3479,
0.3245

 12.7880, 0.6059,
0.3210


 47.9778, 0.3282,
0.3269

 12.1984, 0.6301,
0.3247

 57.3681, 0.3124,
0.3291

 12.1858, 0.6305,
0.3247

 68.0570, 0.2996,
0.3311

 80.0915, 0.2893,
0.3329

 90.8017, 0.2806,
0.3302

 90.8820, 0.2800,
0.3289

Harmonies

Analogous

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



22.3606, 0.3743, 0.2680



22.3606, 0.4386, 0.3177



22.3606, 0.4628, 0.3732

Triad

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



22.3606, 0.4386, 0.3177



22.3606, 0.3137, 0.4595



22.3606, 0.1937, 0.2220

Complementary

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



22.3606, 0.4386, 0.3177



47.2751, 0.2530, 0.3419

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.



22.3606, 0.1823, 0.2568



22.3606, 0.4386, 0.3177



22.3606, 0.2459, 0.4022

Square

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



22.3606, 0.4386, 0.3177



22.3606, 0.3851, 0.4638



22.3606, 0.1995, 0.3215



22.3606, 0.2326, 0.2150

Rectangle

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



22.3606, 0.4386, 0.3177



22.3606, 0.4527, 0.4098



22.3606, 0.1995, 0.3215



22.3606, 0.1869, 0.2303

Sweetspot

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



22.3618, 0.4386, 0.3177



75.9358, 0.3384, 0.3256



24.0711, 0.3073, 0.2062



15.6160, 0.3428, 0.3251



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.



22.3618, 0.4386, 0.3177



32.0207, 0.4854, 0.3163



31.7032, 0.4228, 0.3810



10.6523, 0.3276, 0.3269



7.8416, 0.6286, 0.3237



0.3768, 0.5933, 0.3042

Inverse Universe

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



22.3618, 0.4386, 0.3177



32.0207, 0.4854, 0.3163



31.7684, 0.2366, 0.2681



10.6523, 0.3276, 0.3269



7.8416, 0.6286, 0.3237



0.3768, 0.5933, 0.3042

Previews

White Background



This preview shows how the Yxy color 22.3606, 0.4386, 0.3177 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 22.3606, 0.4386, 0.3177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

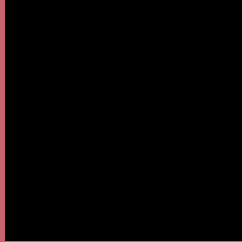
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.3606, 0.4386, 0.3177

Background



This preview shows how black text looks on a background with the Yxy color 22.3606, 0.4386, 0.3177.



This preview shows how white text looks on a background with the Yxy color 22.3606, 0.4386, 0.3177.

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

22.3606, 0.4386, 0.3177

Protanopia

22.4888, 0.3240, 0.3396

Deuteranopia

22.3626, 0.3702, 0.3626



Tritanopia

22.3180, 0.4415, 0.3203

Trichromacy



Original Color

22.3606, 0.4386, 0.3177

Protanomaly

21.7947, 0.3629, 0.3291

Deuteranomaly

21.9664, 0.3956, 0.3447

Tritanomaly

22.3392, 0.4400, 0.3190

Monochromacy



Original Color

22.3606, 0.4386, 0.3177

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

21.9309, 0.3548, 0.3242

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3606, 0.4386, 0.3177 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, 100, 109)` looks like.

```
.text, #text, p{  
    color:rgb(199, 100, 109)  
}
```

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, 100, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 100, 109) }
```

Border

The CSS property to change the border of an element to Yxy 22.3606, 0.4386, 0.3177 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, 100, 109) }
```

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

```
.border{ border-color:rgb(199, 100, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 100, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 100, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 100, 109);  
box-shadow:4px 4px 4px 4px rgb(199, 100,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3606, 0.4386, 0.3177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 100, 109) }
```

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

```
.background{ background-color: rgb(199,  
100, 109) }
```

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