

Converting Colors

$Y_{xy}(23.2360, 0.4017, 0.2893)$

Have a look what the booklet for
Yxy(23.2360, 0.4017, 0.2893)
contains.

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Color

Yxy(23.2020, 0.4012, 0.2884)

Conversions

Conversions Part 1

Format	Color
Hex	C66685
RGB	198, 102, 133
RGB Percent	78%, 40%, 52%
CMY	0.2235, 0.6000, 0.4784
CMYK	0.00, 0.48, 0.33, 0.22
HSL	341°, 46%, 59%
HSV	341°, 48%, 78%
XYZ	32.2768, 23.2020, 24.9719
YIQ	134.2380, 47.2650, 29.9930

Conversions

Conversions Part 2

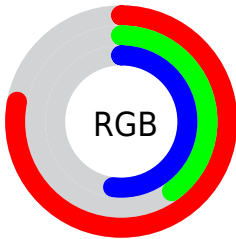
Format	Color
RYB	198, 102, 133
Decimal	13002373
CIELab	55.28, 41.60, 0.47
CIElCh	55, 41.598, 0.653
Yxy	23.2020, 0.4012, 0.2884
Android (android.graphics.Color)	4291192453 (0xFFC66685)
YUV	134.2380, -0.6103, 55.9193
Hunter-Lab	48.1685, 35.3150, 2.9803

Details

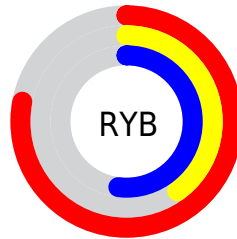
The Yxy color $23.2020, 0.4012, 0.2884$ is a dark color, and the websafe version is hex $CC6699$. A complement of this color would be $46.0083, 0.2668, 0.3760$, and the grayscale version is $23.9220, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.2479, 0.3803, 0.2968$, and $8.5840, 0.4339, 0.2714$ is the 20% darker color. If you saturate the color by 10%, you get $19.4180, 0.4307, 0.2817$, and if you desaturate by 10%, it is $27.9650, 0.3759, 0.2965$.

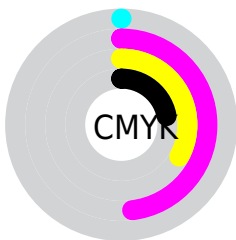
Distribution



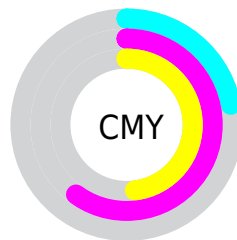
- Red (78%)
- Green (40%)
- Blue (52%)



- Red (78%)
- Yellow (40%)
- Blue (52%)



- Cyan (0%)
- Magenta (48%)
- Yellow (33%)
- Black (22%)





- Cyan (22%)
- Magenta (60%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.2020, 0.4012, 0.2884 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 23.2020, 0.4012, 0.2884 by changing the saturation by 10% instead.


 23.2020, 0.4012,
0.2884


 23.2020, 0.4012,
0.2884

268.7608, 0.3520,
0.3111


 14.7427, 0.4154,
0.2818


 48.7248, 0.3820,
0.2973


 8.6390, 0.4349,
0.2728


 66.5571, 0.3752,
0.3004

 4.5065, 0.4634,
0.2596


 88.2826, 0.3696,
0.3030

 1.9607, 0.5082,
0.2387

 114.2856, 0.3649,
0.3051

 0.5845, 0.6027,
0.1955

144.9505, 0.3609,
0.3069

 0.0000, 1.0000,
0.0000

180.6618, 0.3575,

 0.0000, 0.0000,

0.3085

0.0000

221.8037, 0.3546,
0.3099

■ 23.2020, 0.4012,
0.2884

■ 23.2020, 0.4012,
0.2884

■ 19.4180, 0.4307,
0.2817

■ 27.9650, 0.3759,
0.2965

■ 16.5405, 0.4638,
0.2775

■ 33.7659, 0.3547,
0.3052

■ 14.4925, 0.4989,
0.2769


■ 40.6629, 0.3371,
0.3139

■ 13.1823, 0.5335,
0.2811


■ 48.7090, 0.3228,
0.3223

■ 12.4656, 0.5646,
0.2896

■ 57.9535, 0.3111,
0.3302

 12.3773, 0.5691,
0.2909

 68.4430, 0.3015,
0.3374

 80.2217, 0.2937,
0.3441

 89.8336, 0.2870,
0.3446

 90.6612, 0.2801,
0.3303

Harmonies

Analogous

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



23.2020, 0.3277, 0.2467



23.2020, 0.4012, 0.2884



23.2020, 0.4500, 0.3402

Triad

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



23.2020, 0.4012, 0.2884



23.2020, 0.3559, 0.4641



23.2020, 0.1869, 0.2416

Complementary

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



23.2020, 0.4012, 0.2884



46.0083, 0.2668, 0.3760

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.



23.2020, 0.1922, 0.2932



23.2020, 0.4012, 0.2884



23.2020, 0.2855, 0.4378

Square

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



23.2020, 0.4012, 0.2884



23.2020, 0.4184, 0.4422



23.2020, 0.2262, 0.3682



23.2020, 0.2091, 0.2190

Rectangle

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



23.2020, 0.4012, 0.2884



23.2020, 0.4583, 0.3767



23.2020, 0.2262, 0.3682



23.2020, 0.1856, 0.2555

Sweetspot

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



23.2032, 0.4012, 0.2884



76.4200, 0.3321, 0.3167



21.6874, 0.2831, 0.2001



15.7313, 0.3354, 0.3149



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.



23.2032, 0.4012, 0.2884



34.1587, 0.4319, 0.2815



25.9232, 0.4349, 0.3505



10.6925, 0.3240, 0.3216



8.0621, 0.5656, 0.2889



0.3951, 0.5056, 0.2559

Inverse Universe

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



23.2032, 0.4012, 0.2884



34.1587, 0.4319, 0.2815



40.3622, 0.2450, 0.3051



10.6925, 0.3240, 0.3216



8.0621, 0.5656, 0.2889



0.3951, 0.5056, 0.2559

Previews

White Background



This preview shows how the Yxy color 23.2020, 0.4012, 0.2884 looks on a white background.

Color Contrast Check

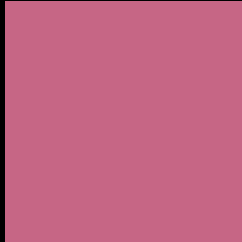
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2020, 0.4012, 0.2884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

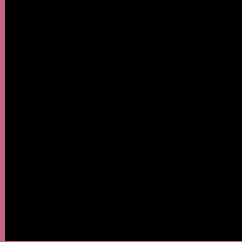
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.2020, 0.4012, 0.2884

Background



This preview shows how black text looks on a background with the Yxy color 23.2020, 0.4012, 0.2884.



This preview shows how white text looks on a background with the Yxy color 23.2020, 0.4012, 0.2884.

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

23.2020, 0.4012, 0.2884

Protanopia

23.4827, 0.2912, 0.2968

Deuteranopia

23.2264, 0.3343, 0.3274



Tritanopia

23.2361, 0.4255, 0.3200

Trichromacy



Original Color

23.2020, 0.4012, 0.2884

Protanomaly

22.6569, 0.3277, 0.2925

Deuteranomaly

22.9123, 0.3589, 0.3121

Tritanomaly

23.3295, 0.4173, 0.3094

Monochromacy



Original Color

23.2020, 0.4012, 0.2884

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

22.8084, 0.3419, 0.3099

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2020, 0.4012, 0.2884 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(198, 102, 133)` looks like.

```
.text, #text, p{  
    color:rgb(198, 102, 133)  
}
```

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(198, 102, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 102, 133) }
```

Border

The CSS property to change the border of an element to Yxy 23.2020, 0.4012, 0.2884 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(198, 102, 133) }
```

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

```
.border{ border-color:rgb(198, 102, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 102, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 102, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 102, 133);  
box-shadow:4px 4px 4px 4px rgb(198, 102,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2020, 0.4012, 0.2884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 102, 133) }
```

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

```
.background{ background-color: rgb(198,  
102, 133) }
```

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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