

Converting Colors

$Y_{xy}(23.7197, 0.3422, 0.2554)$

Have a look what the booklet for
Yxy(23.7197, 0.3422, 0.2554)
contains.

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Color

Yxy(23.7720, 0.3418, 0.2551)

Conversions

Conversions Part 1

Format	Color
Hex	B86DA3
RGB	184, 109, 163
RGB Percent	72%, 43%, 64%
CMY	0.2783, 0.5726, 0.3608
CMYK	0.00, 0.41, 0.11, 0.28
HSL	317°, 35%, 57%
HSV	317°, 41%, 72%
XYZ	31.8513, 23.7720, 37.5637
YIQ	137.5810, 27.3660, 32.6940

Conversions

Conversions Part 2

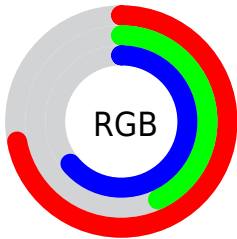
Format	Color
RYB	184, 109, 163
Decimal	12086691
CIELab	55.86, 37.56, -16.38
CIELCh	56, 40.974, 336.443
Yxy	23.7720, 0.3418, 0.2551
Android (android.graphics.Color)	4290276771 (0xFFB86DA3)
YUV	137.5810, 12.5316, 40.7095
Hunter-Lab	48.7565, 31.2852, -11.5494

Details

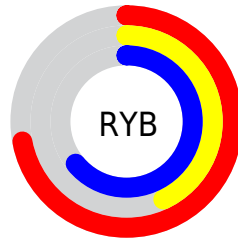
The Yxy color **23.7720, 0.3418, 0.2551** is a light color, and the websafe version is hex **996699**. A complement of this color would be **39.1533, 0.2928, 0.4171**, and the grayscale version is **25.1920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6034, 0.3360, 0.2694**, and **8.9428, 0.3504, 0.2324** is the 20% darker color. If you saturate the color by 10%, you get **20.0688, 0.3516, 0.2381**, and if you desaturate by 10%, it is **28.3068, 0.3331, 0.2733**.

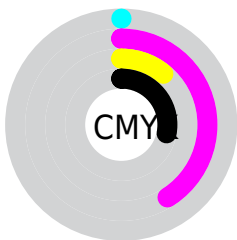
Distribution



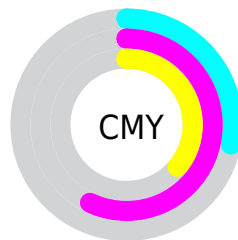
- Red (72%)
- Green (43%)
- Blue (64%)



- Red (72%)
- Yellow (43%)
- Blue (64%)



- Cyan (0%)
- Magenta (41%)
- Yellow (11%)
- Black (28%)



- Cyan (28%)
- Magenta (57%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7720, 0.3418, 0.2551 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 23.7720, 0.3418, 0.2551 by changing the saturation by 10% instead.


 23.7720, 0.3418,
0.2551


 23.7720, 0.3418,
0.2551

271.6658, 0.3268,
0.2937

 15.1646, 0.3457,
0.2449


 49.6579, 0.3362,
0.2695


 8.9350, 0.3508,
0.2316


 67.7051, 0.3342,
0.2748

 4.6988, 0.3576,
0.2134


 89.6678, 0.3324,
0.2793

 2.0716, 0.3673,
0.1871

 115.9302, 0.3310,
0.2830

 0.6486, 0.3833,
0.1429

146.8768, 0.3297,
0.2863

 0.0000, 0.4270,
0.0000

182.8920, 0.3286,

 0.0000, 0.0000,

0.2891

0.0000

224.3602, 0.3276,
0.2916

■ 23.7720, 0.3418,
0.2551

■ 23.7720, 0.3418,
0.2551

■ 20.0688, 0.3516,
0.2381

■ 28.3068, 0.3331,
0.2733

■ 17.1420, 0.3622,
0.2231

■ 33.7173, 0.3254,
0.2918

■ 14.9352, 0.3736,
0.2114

■ 40.0482, 0.3188,
0.3101

■ 13.3827, 0.3852,
0.2038

■ 47.3403, 0.3131,
0.3277

■ 12.4065, 0.3967,
0.2008

■ 55.6320, 0.3083,
0.3443

 11.8725, 0.4071,
0.2017

 64.9596, 0.3043,
0.3598

 75.3574, 0.3009,
0.3742

 86.0845, 0.2981,
0.3861

 86.3363, 0.2954,
0.3801

Harmonies

Analogous

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



23.7720, 0.2709, 0.2272



23.7720, 0.3418, 0.2551



23.7720, 0.4111, 0.2986

Triad

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



23.7720, 0.3418, 0.2551



23.7720, 0.4060, 0.4468



23.7720, 0.1914, 0.2822

Complementary

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



23.7720, 0.3418, 0.2551



39.1533, 0.2928, 0.4171

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.



23.7720, 0.2195, 0.3524



23.7720, 0.3418, 0.2551



23.7720, 0.3420, 0.4600

Square

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



23.7720, 0.3418, 0.2551



23.7720, 0.4477, 0.4036



23.7720, 0.2737, 0.4243



23.7720, 0.1915, 0.2371

Rectangle

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



23.7720, 0.3418, 0.2551



23.7720, 0.4425, 0.3328



23.7720, 0.2737, 0.4243



23.7720, 0.1976, 0.3035

Sweetspot

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



23.7731, 0.3418, 0.2551



70.8355, 0.3197, 0.3075



19.0639, 0.2573, 0.2117



14.9383, 0.3205, 0.3052



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.7731, 0.3418, 0.2551



36.9480, 0.3506, 0.2396



22.6477, 0.3901, 0.3043



9.1187, 0.3179, 0.3127



8.1926, 0.4058, 0.2009



0.2988, 0.3793, 0.1863

Inverse Universe

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



23.7731, 0.3418, 0.2551



36.9480, 0.3506, 0.2396



40.3136, 0.2684, 0.3561



9.1187, 0.3179, 0.3127



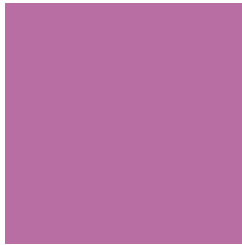
8.1926, 0.4058, 0.2009



0.2988, 0.3793, 0.1863

Previews

White Background



This preview shows how the Yxy color 23.7720, 0.3418, 0.2551 looks on a white background.

Color Contrast Check

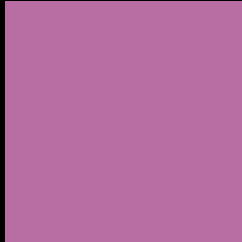
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7720, 0.3418, 0.2551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

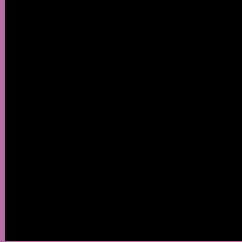
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7720, 0.3418, 0.2551

Background



This preview shows how black text looks on a background with the Yxy color 23.7720, 0.3418, 0.2551.



This preview shows how white text looks on a background with the Yxy color 23.7720, 0.3418, 0.2551.

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

23.7720, 0.3418, 0.2551

Protanopia

24.1353, 0.2575, 0.2535

Deuteranopia

23.8867, 0.2888, 0.2831



Tritanopia

23.9065, 0.3837, 0.3175

Trichromacy



Original Color

23.7720, 0.3418, 0.2551

Protanomaly

23.4006, 0.2836, 0.2518

Deuteranomaly

23.4763, 0.3074, 0.2716

Tritanomaly

23.7225, 0.3676, 0.2933

Monochromacy



Original Color

23.7720, 0.3418, 0.2551

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

24.2539, 0.3235, 0.2975

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7720, 0.3418, 0.2551 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(184, 109, 163)` looks like.

```
.text, #text, p{  
    color:rgb(184, 109, 163)  
}
```

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(184, 109, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 109, 163) }
```

Border

The CSS property to change the border of an element to Yxy 23.7720, 0.3418, 0.2551 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(184, 109, 163) }
```

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

```
.border{ border-color:rgb(184, 109, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 109, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(184, 109, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(184, 109, 163); box-shadow:4px 4px 4px 4px rgb(184, 109, 163) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7720, 0.3418, 0.2551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 109, 163) }
```

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

```
.background{ background-color: rgb(184,  
109, 163) }
```

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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