

Converting Colors

Yxy(23.8171, 0.3044, 0.2165)

Have a look what the booklet for
Yxy(23.8171, 0.3044, 0.2165)
contains.

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Color

Yxy(23.8171, 0.3044, 0.2165)

Conversions

Conversions Part 1

Format	Color
Hex	B46AC0
RGB	180, 106, 192
RGB Percent	71%, 42%, 75%
CMY	0.2942, 0.5842, 0.2470
CMYK	0.06, 0.45, 0.00, 0.25
HSL	292°, 41%, 58%
HSV	292°, 45%, 75%
XYZ	33.4870, 23.8171, 52.7056
YIQ	137.9300, 16.4980, 42.4340

Conversions

Conversions Part 2

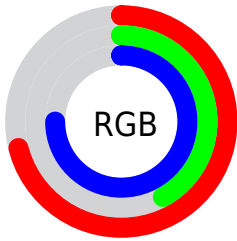
Format	Color
R_{YB}	180, 106, 192
Decimal	11823808
CIE _{Lab}	55.90, 43.21, -33.06
CIE _{LCh}	56, 54.408, 322.579
Yxy	23.8171, 0.3044, 0.2165
Android (android.graphics.Color)	4290013888 (0xFFB46AC0)
YUV	137.9300, 26.6565, 36.8954
Hunter-Lab	48.8028, 37.0764, -29.8696

Details

The Yxy color **23.8171, 0.3044, 0.2165** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **42.5988, 0.3149, 0.4637**, and the grayscale version is **25.2805, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6404, 0.3070, 0.2365**, and **8.9273, 0.2981, 0.1847** is the 20% darker color. If you saturate the color by 10%, you get **19.9739, 0.3015, 0.1936**, and if you desaturate by 10%, it is **28.5546, 0.3069, 0.2413**.

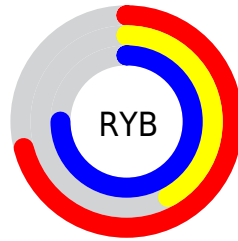
Distribution



Red (71%)

Green (42%)

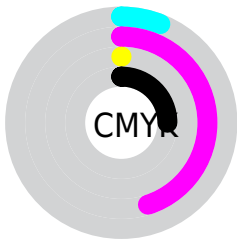
Blue (75%)



Red (71%)

Yellow (42%)

Blue (75%)

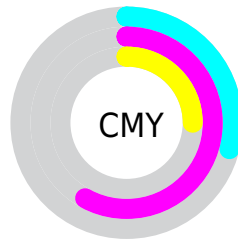


Cyan (6%)

Magenta (45%)

Yellow (0%)

Black (25%)



Cyan (29%)


Magenta (58%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8171, 0.3044, 0.2165 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 23.8171, 0.3044, 0.2165 by changing the saturation by 10% instead.


 23.8171, 0.3044,
0.2165


 23.8171, 0.3044,
0.2165


271.8945, 0.3108,
0.2731


 15.1980, 0.3020,
0.2025


 49.7316, 0.3073,
0.2370


 8.9585, 0.2984,
0.1848


 67.7957, 0.3082,
0.2447

 4.7141, 0.2926,
0.1618


 89.7770, 0.3090,
0.2513

 2.0805, 0.2829,
0.1311

 116.0599, 0.3095,
0.2569

 0.6536, 0.2653,
0.0875

147.0286, 0.3100,
0.2618

 0.0000, 0.2295,
0.0000

183.0677, 0.3103,

 0.0000, 0.0000,

0.2660

0.0000

224.5616, 0.3106,
0.2698

■ 23.8171, 0.3044,
0.2165

■ 23.8171, 0.3044,
0.2165

■ 19.9739, 0.3015,
0.1936

■ 28.5546, 0.3069,
0.2413

■ 16.9620, 0.2983,
0.1736

■ 34.2376, 0.3091,
0.2669

■ 14.7152, 0.2948,
0.1573

■ 40.9171, 0.3108,
0.2925

■ 13.1557, 0.2912,
0.1453

■ 48.6396, 0.3122,
0.3175

■ 12.1891, 0.2876,
0.1377

■ 57.4486, 0.3132,
0.3412

■ 11.8205, 0.2857,
0.1348

■ 67.3851, 0.3140,
0.3634

■ 78.4881, 0.3145,
0.3840

■ 87.8088, 0.3152,
0.3983

■ 88.1856, 0.3169,
0.3979

Harmonies

Analogous

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



23.8171, 0.2233, 0.1932



23.8171, 0.3044, 0.2165



23.8171, 0.4024, 0.2616

Triad

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



23.8171, 0.3044, 0.2165



23.8171, 0.4594, 0.4519



23.8171, 0.1696, 0.3034

Complementary

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



23.8171, 0.3044, 0.2165



42.5988, 0.3149, 0.4637

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.



23.8171, 0.2186, 0.4083



23.8171, 0.3044, 0.2165



23.8171, 0.3855, 0.5000

Square

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



23.8171, 0.3044, 0.2165



23.8171, 0.4975, 0.3862



23.8171, 0.2977, 0.4914



23.8171, 0.1558, 0.2300

Rectangle

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



23.8171, 0.3044, 0.2165



23.8171, 0.4583, 0.3000



23.8171, 0.2977, 0.4914



23.8171, 0.1819, 0.3364

Sweetspot

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



23.8181, 0.3044, 0.2165



76.2110, 0.3110, 0.2965



20.0451, 0.2329, 0.2117



15.7227, 0.3107, 0.2909



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



23.8181, 0.3044, 0.2165



36.1386, 0.3015, 0.1934



24.1247, 0.3533, 0.2551



10.1738, 0.3116, 0.3062



7.9787, 0.2862, 0.1350



0.3648, 0.2944, 0.1395

Inverse Universe

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



22.8284, 0.4135, 0.3129



34.2732, 0.4505, 0.3100



42.5488, 0.2873, 0.4179



10.1003, 0.3267, 0.3258



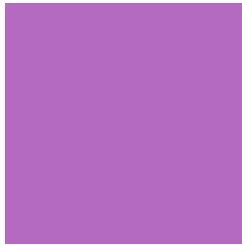
7.6005, 0.6196, 0.3187



0.3360, 0.5683, 0.2904

Previews

White Background



This preview shows how the Yxy color 23.8171, 0.3044, 0.2165 looks on a white background.

Color Contrast Check

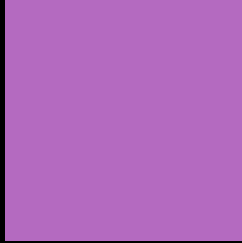
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8171, 0.3044, 0.2165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

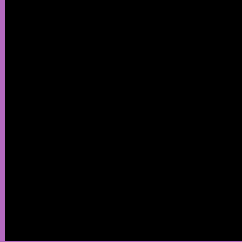
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8171, 0.3044, 0.2165

Background



This preview shows how black text looks on a background with the Yxy color 23.8171, 0.3044, 0.2165.



This preview shows how white text looks on a background with the Yxy color 23.8171, 0.3044, 0.2165.

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

23.8171, 0.3044, 0.2165

Protanopia

24.2411, 0.2218, 0.2069

Deuteranopia

24.1448, 0.2489, 0.2434



Tritanopia

23.6758, 0.3661, 0.3155

Trichromacy



Original Color

23.8171, 0.3044, 0.2165



Protanomaly

23.4474, 0.2452, 0.2084



Deuteranomaly

23.4155, 0.2662, 0.2302



Tritanomaly

23.5271, 0.3422, 0.2752

Monochromacy



Original Color

23.8171, 0.3044, 0.2165



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

24.1626, 0.3094, 0.2792

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8171, 0.3044, 0.2165 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(180, 106, 192)` looks like.

```
.text, #text, p{  
    color:rgb(180, 106, 192)  
}
```

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(180, 106, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 106, 192) }
```

Border

The CSS property to change the border of an element to Yxy 23.8171, 0.3044, 0.2165 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(180, 106, 192) }
```

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

```
.border{ border-color:rgb(180, 106, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 106, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 106, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 106, 192);  
box-shadow:4px 4px 4px 4px rgb(180, 106,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8171, 0.3044, 0.2165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 106, 192) }
```

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

```
.background{ background-color: rgb(180,  
106, 192) }
```

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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