

Converting Colors

$Y_{xy}(23.1682, 0.2968, 0.2185)$

Have a look what the booklet for
Yxy(23.1682, 0.2968, 0.2185)
contains.

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Color

Yxy(23.1008, 0.2965, 0.2178)

Conversions

Conversions Part 1

Format	Color
Hex	AB6CBE
RGB	171, 108, 190
RGB Percent	67%, 42%, 75%
CMY	0.3295, 0.5764, 0.2549
CMYK	0.10, 0.43, 0.00, 0.25
HSL	286°, 39%, 58%
HSV	286°, 43%, 75%
XYZ	31.4481, 23.1008, 51.5154
YIQ	136.1850, 11.2260, 38.8580

Conversions

Conversions Part 2

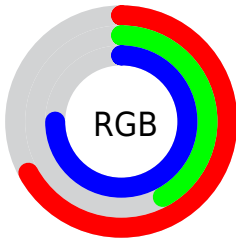
Format	Color
RYB	171, 108, 190
Decimal	11234494
CIELab	55.18, 39.03, -33.13
CIELCh	55, 51.193, 319.678
Yxy	23.1008, 0.2965, 0.2178
Android (android.graphics.Color)	4289424574 (0xFFAB6CBE)
YUV	136.1850, 26.5308, 30.5328
Hunter-Lab	48.0633, 32.6827, -29.9042

Details

The Yxy color **23.1008, 0.2965, 0.2178** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **42.4238, 0.3209, 0.4556**, and the grayscale version is **24.5899, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.6991, 0.3010, 0.2383**, and **8.5856, 0.2882, 0.1861** is the 20% darker color. If you saturate the color by 10%, you get **19.0341, 0.2912, 0.1930**, and if you desaturate by 10%, it is **28.0592, 0.3013, 0.2440**.

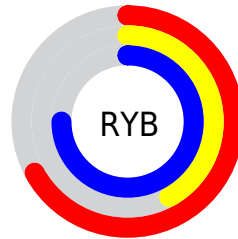
Distribution



Red (67%)

Green (42%)

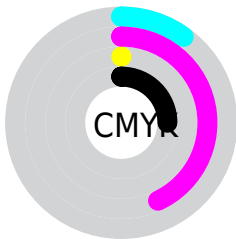
Blue (75%)



Red (67%)

Yellow (42%)

Blue (75%)

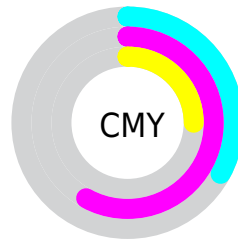


Cyan (10%)

Magenta (43%)

Yellow (0%)

Black (25%)



Cyan (33%)


Magenta (58%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1008, 0.2965, 0.2178 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 23.1008, 0.2965, 0.2178 by changing the saturation by 10% instead.


 23.1008, 0.2965,
0.2178


 23.1008, 0.2965,
0.2178


268.2423, 0.3071,
0.2742


 14.6680, 0.2930,
0.2037


 48.5588, 0.3010,
0.2384


 8.5867, 0.2879,
0.1858


 66.3527, 0.3025,
0.2461

 4.4726, 0.2801,
0.1623


 88.0358, 0.3037,
0.2526

 1.9413, 0.2673,
0.1309

 113.9924, 0.3046,
0.2582

 0.5730, 0.2456,
0.0836

144.6070, 0.3054,
0.2630

 0.0000, 0.1853,
0.0000

180.2639, 0.3061,

 0.0000, 0.0000,

0.2672

0.0000

221.3475, 0.3066,
0.2710

■ 23.1008, 0.2965,
0.2178

■ 23.1008, 0.2965,
0.2178

■ 19.0341, 0.2912,
0.1930

■ 28.0592, 0.3013,
0.2440

■ 15.7988, 0.2853,
0.1706

■ 33.9587, 0.3054,
0.2705

■ 13.3315, 0.2792,
0.1517


■ 40.8486, 0.3090,
0.2965

■ 11.5582, 0.2730,
0.1371


■ 48.7736, 0.3119,
0.3214

■ 10.3904, 0.2668,
0.1270

■ 57.7759, 0.3143,
0.3449

 9.8220, 0.2627,
0.1221

 67.8953, 0.3162,
0.3666

 79.1695, 0.3177,
0.3866

 88.3937, 0.3193,
0.3999

 89.0343, 0.3221,
0.3993

Harmonies

Analogous

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



23.1008, 0.2212, 0.1976



23.1008, 0.2965, 0.2178



23.1008, 0.3894, 0.2597

Triad

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



23.1008, 0.2965, 0.2178



23.1008, 0.4591, 0.4422



23.1008, 0.1787, 0.3140

Complementary

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



23.1008, 0.2965, 0.2178



42.4238, 0.3209, 0.4556

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.



23.1008, 0.2296, 0.4137



23.1008, 0.2965, 0.2178



23.1008, 0.3912, 0.4895

Square

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



23.1008, 0.2965, 0.2178



23.1008, 0.4900, 0.3791



23.1008, 0.3074, 0.4865



23.1008, 0.1619, 0.2399

Rectangle

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



23.1008, 0.2965, 0.2178



23.1008, 0.4445, 0.2962



23.1008, 0.3074, 0.4865



23.1008, 0.1919, 0.3462

Sweetspot

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



23.1018, 0.2965, 0.2178



73.9433, 0.3090, 0.2963



22.1228, 0.2381, 0.2281



15.5895, 0.3082, 0.2906



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.



23.1018, 0.2965, 0.2178



34.6968, 0.2913, 0.1937



24.5074, 0.3428, 0.2494



9.5817, 0.3102, 0.3061



6.5680, 0.2635, 0.1225



0.2850, 0.2780, 0.1305

Inverse Universe

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



23.2083, 0.3973, 0.3030



35.1228, 0.4277, 0.2978



41.6238, 0.2925, 0.4254



9.5717, 0.3253, 0.3237



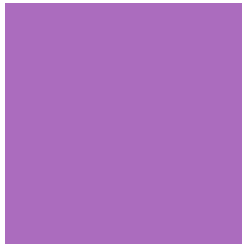
7.4108, 0.5958, 0.3056



0.3007, 0.5270, 0.2677

Previews

White Background



This preview shows how the Yxy color 23.1008, 0.2965, 0.2178 looks on a white background.

Color Contrast Check

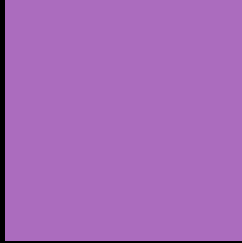
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1008, 0.2965, 0.2178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

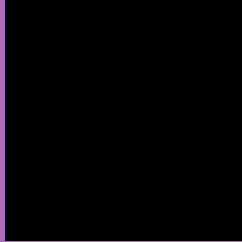
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.1008, 0.2965, 0.2178

Background



This preview shows how black text looks on a background with the Yxy color 23.1008, 0.2965, 0.2178.



This preview shows how white text looks on a background with the Yxy color 23.1008, 0.2965, 0.2178.

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

23.1008, 0.2965, 0.2178

Protanopia

23.4029, 0.2244, 0.2104

Deuteranopia

23.3552, 0.2466, 0.2408



Tritanopia

22.9948, 0.3521, 0.3134

Trichromacy



Original Color

23.1008, 0.2965, 0.2178

Protanomaly

22.7253, 0.2459, 0.2116

Deuteranomaly

22.9047, 0.2630, 0.2313

Tritanomaly

22.7571, 0.3311, 0.2747

Monochromacy



Original Color

23.1008, 0.2965, 0.2178

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

23.7116, 0.3070, 0.2815

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1008, 0.2965, 0.2178 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(171, 108, 190)` looks like.

```
.text, #text, p{  
    color:rgb(171, 108, 190)  
}
```

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(171, 108, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 108, 190) }
```

Border

The CSS property to change the border of an element to Yxy 23.1008, 0.2965, 0.2178 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(171, 108, 190) }
```

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

```
.border{ border-color:rgb(171, 108, 190) }
```

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

Here you see how a box with a 4 pixel rgb(171, 108, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 108, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 108, 190);  
box-shadow:4px 4px 4px 4px rgb(171, 108,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1008, 0.2965, 0.2178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 108, 190) }
```

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

```
.background{ background-color: rgb(171,  
108, 190) }
```

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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