

Converting Colors

$Y_{xy}(23.1272, 0.2855, 0.2083)$

Have a look what the booklet for
Yxy(23.1272, 0.2855, 0.2083)
contains.

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Color

Yxy(23.1272, 0.2855, 0.2083)

Conversions

Conversions Part 1

Format	Color
Hex	A86CC6
RGB	168, 108, 198
RGB Percent	66%, 42%, 78%
CMY	0.3412, 0.5764, 0.2236
CMYK	0.15, 0.45, 0.00, 0.22
HSL	280°, 44%, 60%
HSV	280°, 45%, 78%
XYZ	31.6986, 23.1272, 56.2025
YIQ	136.2000, 6.8700, 40.7100

Conversions

Conversions Part 2

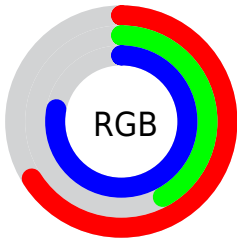
Format	Color
RYB	168, 108, 198
Decimal	11037894
CIELab	55.20, 39.83, -37.67
CIELCh	55, 54.822, 316.597
Yxy	23.1272, 0.2855, 0.2083
Android (android.graphics.Color)	4289227974 (0xFFA86CC6)
YUV	136.2000, 30.4674, 27.8886
Hunter-Lab	48.0907, 33.4979, -35.6273

Details

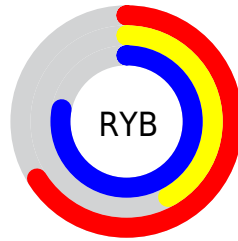
The Yxy color **23.1272, 0.2855, 0.2083** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **46.8628, 0.3281, 0.4607**, and the grayscale version is **24.5821, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.7173, 0.2927, 0.2305**, and **8.6171, 0.2728, 0.1743** is the 20% darker color. If you saturate the color by 10%, you get **18.7089, 0.2772, 0.1822**, and if you desaturate by 10%, it is **28.5323, 0.2930, 0.2357**.

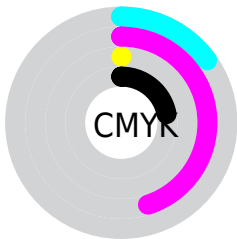
Distribution



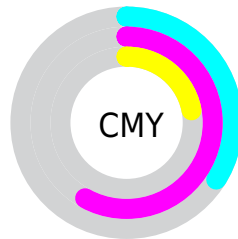
- Red (66%)
- Green (42%)
- Blue (78%)



- Red (66%)
- Yellow (42%)
- Blue (78%)



- Cyan (15%)
- Magenta (45%)
- Yellow (0%)
- Black (22%)




- Cyan (34%)
- Magenta (58%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1272, 0.2855, 0.2083 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 23.1272, 0.2855, 0.2083 by changing the saturation by 10% instead.


 23.1272, 0.2855,
0.2083


 23.1272, 0.2855,
0.2083

268.3776, 0.3022,
0.2690


 14.6875, 0.2803,
0.1934


 48.6021, 0.2923,
0.2302


 8.6003, 0.2731,
0.1747


 66.4061, 0.2946,
0.2385

 4.4814, 0.2624,
0.1505


 88.1002, 0.2965,
0.2455

 1.9463, 0.2458,
0.1188

 114.0689, 0.2981,
0.2516

 0.5760, 0.2186,
0.0733

144.6967, 0.2994,
0.2568

 0.0000, 0.1566,
0.0000

180.3677, 0.3005,

 0.0000, 0.0000,

0.2614

0.0000

221.4666, 0.3014,
0.2654

■ 23.1272, 0.2855,
0.2083

■ 23.1272, 0.2855,
0.2083

■ 18.7089, 0.2772,
0.1822

■ 28.5323, 0.2930,
0.2357

■ 15.2089, 0.2684,
0.1585

■ 34.9808, 0.2997,
0.2633

■ 12.5545, 0.2594,
0.1385


■ 42.5282, 0.3055,
0.2902

■ 10.6603, 0.2504,
0.1230

■ 51.2253, 0.3104,
0.3158

■ 9.4215, 0.2418,
0.1124


■ 61.1196, 0.3145,
0.3397

 8.9792, 0.2380,
0.1085

 72.2561, 0.3179,
0.3617

 84.6771, 0.3206,
0.3818

 90.9343, 0.3241,
0.3893

 91.9895, 0.3283,
0.3885

Harmonies

Analogous

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



23.1272, 0.2092, 0.1896



23.1272, 0.2855, 0.2083



23.1272, 0.3842, 0.2500

Triad

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



23.1272, 0.2855, 0.2083



23.1272, 0.4728, 0.4404



23.1272, 0.1744, 0.3224

Complementary

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



23.1272, 0.2855, 0.2083



46.8628, 0.3281, 0.4607

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.



23.1272, 0.2310, 0.4309



23.1272, 0.2855, 0.2083



23.1272, 0.4029, 0.4960

Square

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



23.1272, 0.2855, 0.2083



23.1272, 0.5018, 0.3730



23.1272, 0.3149, 0.5028



23.1272, 0.1538, 0.2397

Rectangle

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



23.1272, 0.2855, 0.2083



23.1272, 0.4457, 0.2873



23.1272, 0.3149, 0.5028



23.1272, 0.1893, 0.3579

Sweetspot

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



23.1282, 0.2855, 0.2083



77.1119, 0.3061, 0.2934



25.8765, 0.2365, 0.2383



15.8301, 0.3050, 0.2876



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.



23.1282, 0.2855, 0.2083



32.8696, 0.2769, 0.1812



26.2121, 0.3327, 0.2335



10.6327, 0.3086, 0.3059



5.8895, 0.2391, 0.1091



0.3173, 0.2565, 0.1187

Inverse Universe

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



24.5665, 0.3917, 0.2896



36.0557, 0.4206, 0.2818



44.9581, 0.2981, 0.4488



10.6943, 0.3238, 0.3213



8.0779, 0.5617, 0.2868



0.3960, 0.5023, 0.2540

Previews

White Background



This preview shows how the Yxy color 23.1272, 0.2855, 0.2083 looks on a white background.

Color Contrast Check

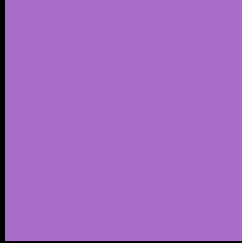
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1272, 0.2855, 0.2083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

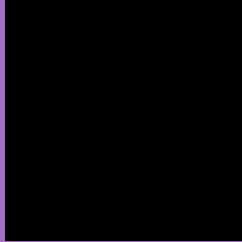
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.1272, 0.2855, 0.2083

Background



This preview shows how black text looks on a background with the Yxy color 23.1272, 0.2855, 0.2083.



This preview shows how white text looks on a background with the Yxy color 23.1272, 0.2855, 0.2083.

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

23.1272, 0.2855, 0.2083

Protanopia

23.5717, 0.2165, 0.1998

Deuteranopia

23.2087, 0.2364, 0.2305



Tritanopia

23.1010, 0.3453, 0.3147

Trichromacy



Original Color

23.1272, 0.2855, 0.2083



Protanomaly

22.7832, 0.2358, 0.2007



Deuteranomaly

22.7732, 0.2513, 0.2202



Tritanomaly

23.0385, 0.3226, 0.2714

Monochromacy



Original Color

23.1272, 0.2855, 0.2083



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

23.7208, 0.3027, 0.2769

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1272, 0.2855, 0.2083 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(168, 108, 198)` looks like.

```
.text, #text, p{  
    color:rgb(168, 108, 198)  
}
```

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(168, 108, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 108, 198) }
```

Border

The CSS property to change the border of an element to Yxy 23.1272, 0.2855, 0.2083 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(168, 108, 198) }
```

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

```
.border{ border-color:rgb(168, 108, 198) }
```

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

Here you see how a box with a 4 pixel rgb(168, 108, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 108, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 108, 198);  
box-shadow:4px 4px 4px 4px rgb(168, 108,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1272, 0.2855, 0.2083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 108, 198) }
```

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

```
.background{ background-color: rgb(168,  
108, 198) }
```

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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