

Converting Colors

$Y_{xy}(22.9984, 0.2710, 0.1779)$

Have a look what the booklet for
Yxy(22.9984, 0.2710, 0.1779)
contains.

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Color

Yxy(23.0698, 0.2717, 0.1786)

Conversions

Conversions Part 1

Format	Color
Hex	AF62DD
RGB	175, 98, 221
RGB Percent	69%, 38%, 87%
CMY	0.3138, 0.6156, 0.1334
CMYK	0.21, 0.56, 0.00, 0.13
HSL	278°, 64%, 63%
HSV	278°, 56%, 87%
XYZ	35.0955, 23.0698, 71.0049
YIQ	135.0450, 6.4090, 54.5770

Conversions

Conversions Part 2

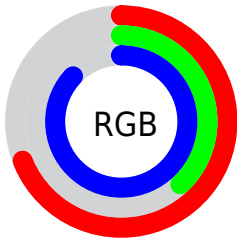
Format	Color
R _Y B	175, 98, 221
Decimal	11494109
CIE Lab	55.14, 52.05, -50.77
CIE LCh	55, 72.715, 315.712
Yxy	23.0698, 0.2717, 0.1786
Android (android.graphics.Color)	4289684189 (0xFFAF62DD)
YUV	135.0450, 42.3758, 35.0405
Hunter-Lab	48.0310, 46.3729, -54.0274

Details

The Yxy color **23.0698, 0.2717, 0.1786** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **58.5220, 0.3329, 0.4924**, and the grayscale version is **24.0855, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.0001, 0.2991, 0.2235**, and **8.5925, 0.2545, 0.1422** is the 20% darker color. If you saturate the color by 10%, you get **18.5626, 0.2617, 0.1542**, and if you desaturate by 10%, it is **28.7788, 0.2812, 0.2055**.

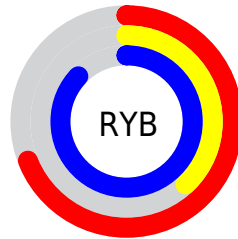
Distribution



Red (69%)

Green (38%)

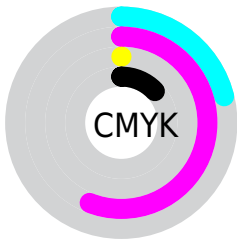
Blue (87%)



Red (69%)

Yellow (38%)

Blue (87%)

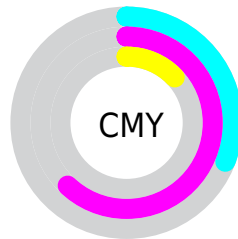


Cyan (21%)

Magenta (56%)

Yellow (0%)

Black (13%)



Cyan (31%)


Magenta (62%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0698, 0.2717, 0.1786 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 23.0698, 0.2717, 0.1786 by changing the saturation by 10% instead.


 23.0698, 0.2717,
0.1786


 23.0698, 0.2717,
0.1786


268.0833, 0.2965,
0.2511


 14.6451, 0.2644,
0.1620


 48.5079, 0.2816,
0.2040


 8.5707, 0.2544,
0.1417


 66.2901, 0.2851,
0.2138

 4.4622, 0.2404,
0.1169


 87.9602, 0.2879,
0.2223

 1.9353, 0.2198,
0.0865

 113.9026, 0.2902,
0.2296

 0.5695, 0.1886,
0.0481

144.5017, 0.2922,
0.2360

 0.0000, 0.1400,
0.0000

180.1419, 0.2938,

 0.0000, 0.0000,

0.2416

0.0000

221.2077, 0.2952,
0.2467

■ 23.0698, 0.2717,
0.1786

■ 23.0698, 0.2717,
0.1786

■ 18.5626, 0.2617,
0.1542

■ 28.7788, 0.2812,
0.2055

■ 15.1569, 0.2515,
0.1335

■ 35.7733, 0.2898,
0.2336

■ 12.7402, 0.2415,
0.1175

■ 44.1327, 0.2975,
0.2618

■ 11.1731, 0.2320,
0.1067

■ 53.9288, 0.3042,
0.2892

■ 10.6516, 0.2280,
0.1030

■ 65.2285, 0.3099,
0.3151

■ 78.0944, 0.3147,
0.3393

■ 92.5854, 0.3187,
0.3614

■ 95.4624, 0.3238,
0.3631

■ 96.9513, 0.3291,
0.3625

Harmonies

Analogous

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



23.0698, 0.1800, 0.1571



23.0698, 0.2717, 0.1786



23.0698, 0.4011, 0.2269

Triad

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



23.0698, 0.2717, 0.1786



23.0698, 0.5098, 0.4522



23.0698, 0.1392, 0.3186

Complementary

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



23.0698, 0.2717, 0.1786



58.5220, 0.3329, 0.4924

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.



23.0698, 0.2057, 0.4735



23.0698, 0.2717, 0.1786



23.0698, 0.4176, 0.5362

Square

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



23.0698, 0.2717, 0.1786



23.0698, 0.5548, 0.3686



23.0698, 0.3085, 0.5672



23.0698, 0.1175, 0.2128

Rectangle

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



23.0698, 0.2717, 0.1786



23.0698, 0.4848, 0.2701



23.0698, 0.3085, 0.5672



23.0698, 0.1560, 0.3680

Sweetspot

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



23.0707, 0.2717, 0.1786



72.4455, 0.3033, 0.2852



28.1156, 0.2194, 0.2185



14.8970, 0.3020, 0.2797



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.



23.0707, 0.2717, 0.1786



24.6724, 0.2598, 0.1500



28.5964, 0.3340, 0.2104



13.0189, 0.3079, 0.3055



6.2547, 0.2294, 0.1037



0.4538, 0.2443, 0.1119

Inverse Universe

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



26.1227, 0.4141, 0.2758



29.7639, 0.4496, 0.2689



55.4847, 0.2976, 0.4881



13.1317, 0.3233, 0.3203



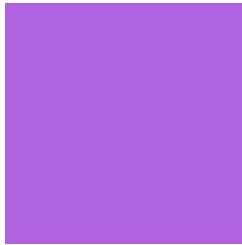
9.3099, 0.5471, 0.2788



0.6195, 0.5026, 0.2543

Previews

White Background



This preview shows how the Yxy color 23.0698, 0.2717, 0.1786 looks on a white background.

Color Contrast Check

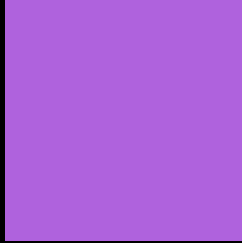
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0698, 0.2717, 0.1786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

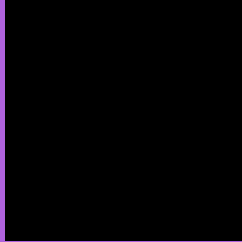
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.0698, 0.2717, 0.1786

Background



This preview shows how black text looks on a background with the Yxy color 23.0698, 0.2717, 0.1786.



This preview shows how white text looks on a background with the Yxy color 23.0698, 0.2717, 0.1786.

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

23.0698, 0.2717, 0.1786

Protanopia

23.5272, 0.1881, 0.1620

Deuteranopia

23.4691, 0.2105, 0.2051



Tritanopia

23.1348, 0.3505, 0.3149

Trichromacy



Original Color

23.0698, 0.2717, 0.1786



Protanomaly

22.0171, 0.2066, 0.1629



Deuteranomaly

22.1557, 0.2258, 0.1892



Tritanomaly

22.5976, 0.3186, 0.2541

Monochromacy



Original Color

23.0698, 0.2717, 0.1786



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

23.1563, 0.2978, 0.2610

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0698, 0.2717, 0.1786 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(175, 98, 221)` looks like.

```
.text, #text, p{  
    color:rgb(175, 98, 221)  
}
```

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(175, 98, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 98, 221) }
```

Border

The CSS property to change the border of an element to Yxy 23.0698, 0.2717, 0.1786 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(175, 98, 221) }
```

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

```
.border{ border-color:rgb(175, 98, 221) }
```

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

Here you see how a box with a 4 pixel rgb(175, 98, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 98, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 98, 221);  
box-shadow:4px 4px 4px 4px rgb(175, 98,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0698, 0.2717, 0.1786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 98, 221) }
```

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

```
.background{ background-color: rgb(175, 98,  
221) }
```

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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