

Converting Colors

$Y_{xy}(22.9715, 0.2735, 0.2080)$

Have a look what the booklet for
Yxy(22.9715, 0.2735, 0.2080)
contains.

Yxy(23.0276, 0.2736, 0.2078)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(23.0276, 0.2736, 0.2078)

Conversions

Conversions Part 1

Format	Color
Hex	9E70C8
RGB	158, 112, 200
RGB Percent	62%, 44%, 78%
CMY	0.3803, 0.5608, 0.2158
CMYK	0.21, 0.44, 0.00, 0.22
HSL	271°, 44%, 61%
HSV	271°, 44%, 78%
XYZ	30.3193, 23.0276, 57.4693
YIQ	135.7860, -0.8320, 37.1200

Conversions

Conversions Part 2

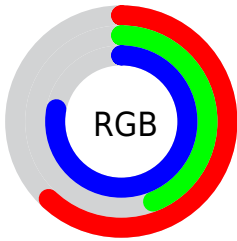
Format	Color
RYB	158, 112, 200
Decimal	10383560
CIELab	55.10, 35.17, -39.04
CIElCh	55, 52.546, 312.011
Yxy	23.0276, 0.2736, 0.2078
Android (android.graphics.Color)	4288573640 (0xFF9E70C8)
YUV	135.7860, 31.6575, 19.4817
Hunter-Lab	47.9871, 28.8029, -37.4147

Details

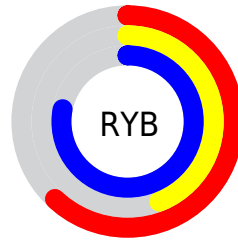
The Yxy color **23.0276, 0.2736, 0.2078** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **49.3279, 0.3380, 0.4520**, and the grayscale version is **24.4172, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.4264, 0.2841, 0.2323**, and **8.5734, 0.2564, 0.1734** is the 20% darker color. If you saturate the color by 10%, you get **18.1650, 0.2617, 0.1791**, and if you desaturate by 10%, it is **28.9470, 0.2845, 0.2372**.

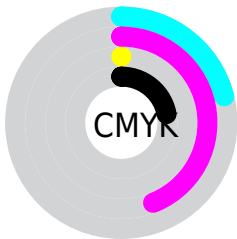
Distribution



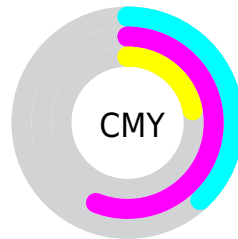
- Red (62%)
- Green (44%)
- Blue (78%)



- Red (62%)
- Yellow (44%)
- Blue (78%)



- Cyan (21%)
- Magenta (44%)
- Yellow (0%)
- Black (22%)





- Cyan (38%)
- Magenta (56%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0276, 0.2736, 0.2078 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 23.0276, 0.2736, 0.2078 by changing the saturation by 10% instead.


 23.0276, 0.2736,
0.2078


 23.0276, 0.2736,
0.2078

267.8667, 0.2965,
0.2690

 14.6139, 0.2668,
0.1928


 48.4386, 0.2827,
0.2300


 8.5489, 0.2576,
0.1738


 66.2048, 0.2859,
0.2383

 4.4481, 0.2443,
0.1493


 87.8571, 0.2885,
0.2454

 1.9273, 0.2241,
0.1172

 113.7802, 0.2906,
0.2515

 0.5647, 0.1924,
0.0712

144.3583, 0.2925,
0.2567

 0.0000, 0.1134,
0.0000

179.9758, 0.2940,

 0.0000, 0.0000,

0.2613

0.0000

221.0171, 0.2953,
0.2654

■ 23.0276, 0.2736,
0.2078

■ 23.0276, 0.2736,
0.2078

■ 18.1650, 0.2617,
0.1791

■ 28.9470, 0.2845,
0.2372

■ 14.2890, 0.2492,
0.1523

■ 35.9815, 0.2943,
0.2660

■ 11.3251, 0.2365,
0.1290

■ 44.1885, 0.3028,
0.2936

■ 9.1867, 0.2242,
0.1103

■ 53.6206, 0.3101,
0.3193

■ 7.7688, 0.2128,
0.0971

■ 64.3271, 0.3163,
0.3429

7.1481, 0.2064,
0.0911

76.3544, 0.3215,
0.3644

89.7468, 0.3258,
0.3837

93.2327, 0.3317,
0.3855

94.8932, 0.3380,
0.3844

Harmonies

Analogous

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



23.0276, 0.2043, 0.1935



23.0276, 0.2736, 0.2078



23.0276, 0.3668, 0.2453

Triad

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



23.0276, 0.2736, 0.2078



23.0276, 0.4750, 0.4281



23.0276, 0.1854, 0.3384

Complementary

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



23.0276, 0.2736, 0.2078



49.3279, 0.3380, 0.4520

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.



23.0276, 0.2456, 0.4409



23.0276, 0.2736, 0.2078



23.0276, 0.4126, 0.4841

Square

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



23.0276, 0.2736, 0.2078



23.0276, 0.4940, 0.3627



23.0276, 0.3290, 0.4990



23.0276, 0.1598, 0.2530

Rectangle

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



23.0276, 0.2736, 0.2078



23.0276, 0.4281, 0.2803



23.0276, 0.3290, 0.4990



23.0276, 0.2018, 0.3732

Sweetspot

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



23.0285, 0.2736, 0.2078



77.7670, 0.3034, 0.2957



30.8962, 0.2421, 0.2603



15.9172, 0.3016, 0.2897



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.



23.0285, 0.2736, 0.2078



31.6351, 0.2620, 0.1797



27.9640, 0.3192, 0.2240



10.5558, 0.3063, 0.3057



4.6004, 0.2078, 0.0918



0.2608, 0.2303, 0.1042

Inverse Universe

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



26.1951, 0.3715, 0.2747



38.1301, 0.3915, 0.2636



45.9407, 0.3055, 0.4626



10.7198, 0.3216, 0.3180



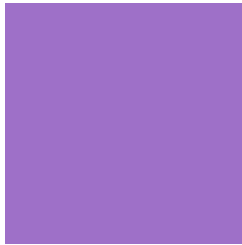
8.3552, 0.5037, 0.2548



0.4102, 0.4557, 0.2284

Previews

White Background



This preview shows how the Yxy color 23.0276, 0.2736, 0.2078 looks on a white background.

Color Contrast Check

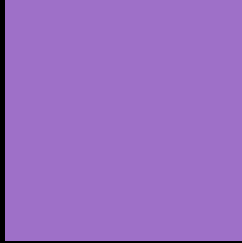
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0276, 0.2736, 0.2078 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

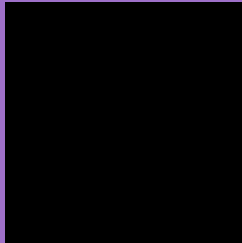
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.0276, 0.2736, 0.2078

Background



This preview shows how black text looks on a background with the Yxy color 23.0276, 0.2736, 0.2078.



This preview shows how white text looks on a background with the Yxy color 23.0276, 0.2736, 0.2078.

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

23.0276, 0.2736, 0.2078

Protanopia

23.2035, 0.2172, 0.2004

Deuteranopia

23.1612, 0.2323, 0.2262



Tritanopia

22.9023, 0.3266, 0.3125

Trichromacy



Original Color

23.0276, 0.2736, 0.2078

Protanomaly

22.8121, 0.2336, 0.2014

Deuteranomaly

22.7316, 0.2457, 0.2182

Tritanomaly

22.7573, 0.3062, 0.2695

Monochromacy



Original Color

23.0276, 0.2736, 0.2078

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

23.6112, 0.2983, 0.2778

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0276, 0.2736, 0.2078 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(158, 112, 200)` looks like.

```
.text, #text, p{  
    color:rgb(158, 112, 200)  
}
```

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(158, 112, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 112, 200) }
```

Border

The CSS property to change the border of an element to Yxy 23.0276, 0.2736, 0.2078 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(158, 112, 200) }
```

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

```
.border{ border-color:rgb(158, 112, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 112, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 112, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 112, 200);  
box-shadow:4px 4px 4px 4px rgb(158, 112,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0276, 0.2736, 0.2078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 112, 200) }
```

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

```
.background{ background-color: rgb(158,  
112, 200) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor