

Converting Colors

$Y_{xy}(23.6940, 0.2758, 0.1934)$

Have a look what the booklet for
Yxy(23.6940, 0.2758, 0.1934)
contains.

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Color

Yxy(23.7195, 0.2759, 0.1934)

Conversions

Conversions Part 1

Format	Color
Hex	AB6AD4
RGB	171, 106, 212
RGB Percent	67%, 42%, 83%
CMY	0.3293, 0.5844, 0.1686
CMYK	0.19, 0.50, 0.00, 0.17
HSL	277°, 55%, 62%
HSV	277°, 50%, 83%
XYZ	33.8377, 23.7195, 65.0876
YIQ	137.5190, 4.7140, 46.7460

Conversions

Conversions Part 2

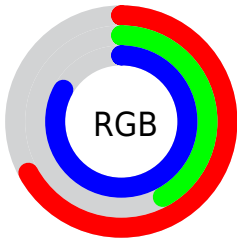
Format	Color
R_{YB}	171, 106, 212
Decimal	11234004
CIE _{Lab}	55.81, 44.86, -44.67
CIE _{LCh}	56, 63.312, 315.120
Yxy	23.7195, 0.2759, 0.1934
Android (android.graphics.Color)	4289424084 (0xFFAB6AD4)
YUV	137.5190, 36.7191, 29.3628
Hunter-Lab	48.7027, 38.7888, -45.1449

Details

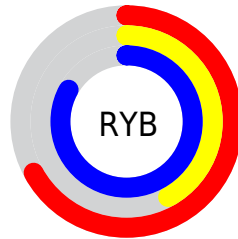
The Yxy color **23.7195, 0.2759, 0.1934** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **54.3314, 0.3331, 0.4741**, and the grayscale version is **25.0802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.5103, 0.2951, 0.2292**, and **8.8797, 0.2600, 0.1575** is the 20% darker color. If you saturate the color by 10%, you get **18.9864, 0.2659, 0.1672**, and if you desaturate by 10%, it is **29.5915, 0.2852, 0.2213**.

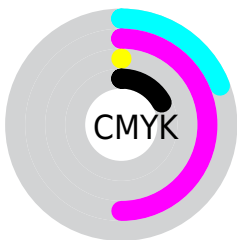
Distribution



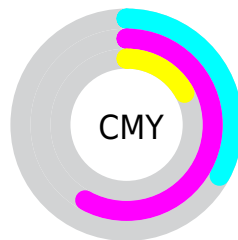
- Red (67%)
- Green (42%)
- Blue (83%)



- Red (67%)
- Yellow (42%)
- Blue (83%)



- Cyan (19%)
- Magenta (50%)
- Yellow (0%)
- Black (17%)





- Cyan (33%)
- Magenta (58%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7195, 0.2759, 0.1934 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 23.7195, 0.2759, 0.1934 by changing the saturation by 10% instead.


 23.7195, 0.2759,
0.1934


 23.7195, 0.2759,
0.1934


271.3993, 0.2979,
0.2600


 15.1257, 0.2693,
0.1777


 49.5721, 0.2847,
0.2171

 8.9076, 0.2604,
0.1582


 67.5996, 0.2878,
0.2261

 4.6810, 0.2476,
0.1337


 89.5405, 0.2903,
0.2339

 2.0613, 0.2284,
0.1028

 115.7792, 0.2924,
0.2405

 0.6427, 0.1985,
0.0627

146.7000, 0.2941,
0.2463

 0.0000, 0.1487,
0.0000

182.6874, 0.2956,

 0.0000, 0.0000,

0.2515

0.0000

224.1257, 0.2968,
0.2560

■ 23.7195, 0.2759,
0.1934

■ 23.7195, 0.2759,
0.1934

■ 18.9864, 0.2659,
0.1672

■ 29.5915, 0.2852,
0.2213

■ 15.3072, 0.2554,
0.1440

■ 36.6733, 0.2936,
0.2496

■ 12.5893, 0.2450,
0.1251

■ 45.0333, 0.3010,
0.2775

■ 10.7219, 0.2349,
0.1110


■ 54.7339, 0.3073,
0.3041

■ 9.5050, 0.2254,
0.1015

■ 65.8334, 0.3127,
0.3290

 78.3863, 0.3172,
0.3519

 92.4445, 0.3209,
0.3728

 94.2070, 0.3261,
0.3727

 95.6466, 0.3314,
0.3720

Harmonies

Analogous

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



23.7195, 0.1935, 0.1742



23.7195, 0.2759, 0.1934



23.7195, 0.3879, 0.2376

Triad

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



23.7195, 0.2759, 0.1934



23.7195, 0.4928, 0.4446



23.7195, 0.1597, 0.3250

Complementary

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



23.7195, 0.2759, 0.1934



54.3314, 0.3331, 0.4741

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.



23.7195, 0.2227, 0.4536



23.7195, 0.2759, 0.1934



23.7195, 0.4140, 0.5134

Square

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



23.7195, 0.2759, 0.1934



23.7195, 0.5262, 0.3695



23.7195, 0.3163, 0.5323



23.7195, 0.1369, 0.2300

Rectangle

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



23.7195, 0.2759, 0.1934



23.7195, 0.4600, 0.2774



23.7195, 0.3163, 0.5323



23.7195, 0.1761, 0.3670

Sweetspot

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



23.7205, 0.2759, 0.1934



75.2801, 0.3042, 0.2906



29.1212, 0.2296, 0.2348



15.4529, 0.3028, 0.2849



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.



23.7205, 0.2759, 0.1934



28.4404, 0.2652, 0.1657



28.5397, 0.3295, 0.2192



12.3820, 0.3077, 0.3056



5.9267, 0.2267, 0.1022



0.4045, 0.2429, 0.1112

Inverse Universe

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



26.4090, 0.3968, 0.2789



33.3407, 0.4255, 0.2706



51.4293, 0.2997, 0.4718



12.4995, 0.3231, 0.3200



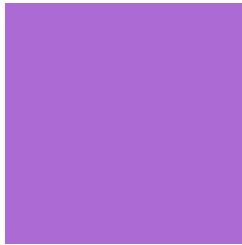
9.0348, 0.5419, 0.2759



0.5609, 0.4954, 0.2503

Previews

White Background



This preview shows how the Yxy color 23.7195, 0.2759, 0.1934 looks on a white background.

Color Contrast Check

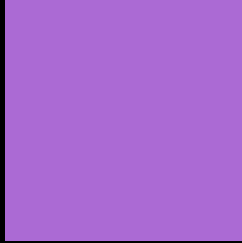
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7195, 0.2759, 0.1934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

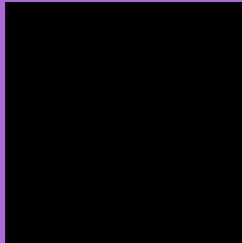
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7195, 0.2759, 0.1934

Background



This preview shows how black text looks on a background with the Yxy color 23.7195, 0.2759, 0.1934.



This preview shows how white text looks on a background with the Yxy color 23.7195, 0.2759, 0.1934.

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

23.7195, 0.2759, 0.1934

Protanopia

24.2570, 0.2031, 0.1822

Deuteranopia

24.0966, 0.2223, 0.2167



Tritanopia

23.7594, 0.3437, 0.3148

Trichromacy



Original Color

23.7195, 0.2759, 0.1934



Protanomaly

23.3167, 0.2223, 0.1832



Deuteranomaly

23.3038, 0.2377, 0.2049



Tritanomaly

23.3520, 0.3170, 0.2634

Monochromacy



Original Color

23.7195, 0.2759, 0.1934



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

24.1224, 0.2988, 0.2686

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7195, 0.2759, 0.1934 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, 106, 212)` looks like.

```
.text, #text, p{  
    color:rgb(171, 106, 212)  
}
```

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, 106, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 106, 212) }
```

Border

The CSS property to change the border of an element to Yxy 23.7195, 0.2759, 0.1934 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, 106, 212) }
```

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

```
.border{ border-color:rgb(171, 106, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 106, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 106, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 106, 212);  
box-shadow:4px 4px 4px 4px rgb(171, 106,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7195, 0.2759, 0.1934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 106, 212) }
```

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

```
.background{ background-color: rgb(171,  
106, 212) }
```

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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