

Converting Colors

$Y_{xy}(23.2090, 0.2585, 0.2030)$

Have a look what the booklet for
Yxy(23.2090, 0.2585, 0.2030)
contains.

Yxy(23.2429, 0.2593, 0.2036)	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(23.2429, 0.2593, 0.2036)

Conversions

Conversions Part 1

Format	Color
Hex	9474CE
RGB	148, 116, 206
RGB Percent	58%, 45%, 81%
CMY	0.4195, 0.5451, 0.1922
CMYK	0.28, 0.44, 0.00, 0.19
HSL	261°, 48%, 63%
HSV	261°, 44%, 81%
XYZ	29.6016, 23.2429, 61.3151
YIQ	135.8280, -9.8180, 34.7740

Conversions

Conversions Part 2

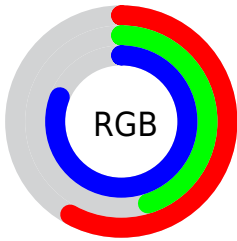
Format	Color
R_{YB}	148, 116, 206
Decimal	9729230
CIE _{Lab}	55.32, 31.50, -42.19
CIE _{LCh}	55, 52.650, 306.744
Yxy	23.2429, 0.2593, 0.2036
Android (android.graphics.Color)	4287919310 (0xFF9474CE)
YUV	135.8280, 34.5948, 10.6748
Hunter-Lab	48.2109, 25.2303, -41.6580

Details

The Yxy color **23.2429, 0.2593, 0.2036** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **54.3952, 0.3502, 0.4465**, and the grayscale version is **24.4253, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.4333, 0.2767, 0.2345**, and **8.6284, 0.2388, 0.1687** is the 20% darker color. If you saturate the color by 10%, you get **17.8426, 0.2435, 0.1723**, and if you desaturate by 10%, it is **29.8396, 0.2740, 0.2351**.

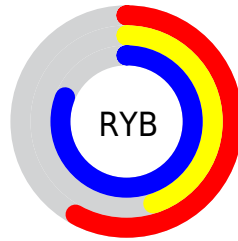
Distribution



Red (58%)

Green (45%)

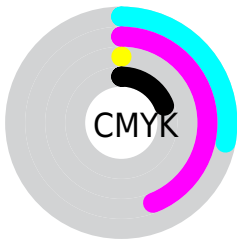
Blue (81%)



Red (58%)

Yellow (45%)

Blue (81%)

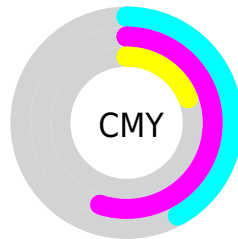


Cyan (28%)

Magenta (44%)

Yellow (0%)

Black (19%)



Cyan (42%)


Magenta (55%)


Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.2429, 0.2593, 0.2036 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 23.2429, 0.2593, 0.2036 by changing the saturation by 10% instead.


 23.2429, 0.2593,
0.2036


 23.2429, 0.2593,
0.2036


268.9701, 0.2896,
0.2667


 14.7730, 0.2507,
0.1882


 48.7919, 0.2711,
0.2264

 8.6602, 0.2392,
0.1688


 66.6397, 0.2753,
0.2350

 4.5202, 0.2231,
0.1440


 88.3822, 0.2787,
0.2423

 1.9686, 0.1995,
0.1119

114.4040, 0.2816,
0.2486

 0.5891, 0.1639,
0.0676

145.0892, 0.2841,
0.2541

 0.0000, 0.0796,
0.0000

180.8224, 0.2862,

 0.0000, 0.0000,

0.2588

0.0000

221.9879, 0.2880,
0.2630

■ 23.2429, 0.2593,
0.2036

■ 23.2429, 0.2593,
0.2036

■ 17.8426, 0.2435,
0.1723

■ 29.8396, 0.2740,
0.2351

■ 13.5610, 0.2273,
0.1427

■ 37.6986, 0.2874,
0.2654

■ 10.3148, 0.2113,
0.1167

■ 46.8839, 0.2991,
0.2939

■ 8.0077, 0.1966,
0.0959

■ 57.4544, 0.3093,
0.3200

■ 6.5238, 0.1839,
0.0814

■ 69.4655, 0.3181,
0.3436

■ 5.8850, 0.1770,
0.0749

■ 82.9693, 0.3255,
0.3647

■ 94.6592, 0.3325,
0.3785

■ 97.0784, 0.3412,
0.3771

■ 97.2360, 0.3418,
0.3770

Harmonies

Analogous

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



23.2429, 0.1955, 0.1938



23.2429, 0.2593, 0.2036



23.2429, 0.3497, 0.2374

Triad

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



23.2429, 0.2593, 0.2036



23.2429, 0.4820, 0.4167



23.2429, 0.1937, 0.3565

Complementary

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



23.2429, 0.2593, 0.2036



54.3952, 0.3502, 0.4465

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.



23.2429, 0.2593, 0.4559



23.2429, 0.2593, 0.2036



23.2429, 0.4256, 0.4760

Square

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



23.2429, 0.2593, 0.2036



23.2429, 0.4912, 0.3514



23.2429, 0.3443, 0.5010



23.2429, 0.1620, 0.2654

Rectangle

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



23.2429, 0.2593, 0.2036



23.2429, 0.4129, 0.2705



23.2429, 0.3443, 0.5010



23.2429, 0.2121, 0.3917

Sweetspot

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



23.2438, 0.2593, 0.2036



76.8160, 0.2997, 0.2953



38.6321, 0.2464, 0.2835



15.6833, 0.2972, 0.2892



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.



23.2438, 0.2593, 0.2036



29.7387, 0.2452, 0.1755



28.2164, 0.3037, 0.2183



11.0350, 0.3037, 0.3054



3.6737, 0.1785, 0.0757



0.2319, 0.2010, 0.0881

Inverse Universe

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



28.6648, 0.3528, 0.2571



39.8219, 0.3645, 0.2435



50.1069, 0.3156, 0.4604



11.3333, 0.3191, 0.3142



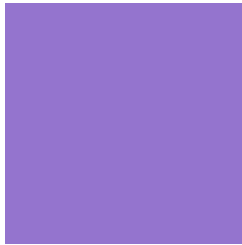
9.1364, 0.4351, 0.2171



0.4855, 0.4072, 0.2017

Previews

White Background



This preview shows how the Yxy color 23.2429, 0.2593, 0.2036 looks on a white background.

Color Contrast Check

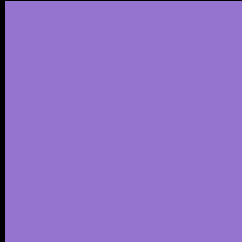
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2429, 0.2593, 0.2036 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

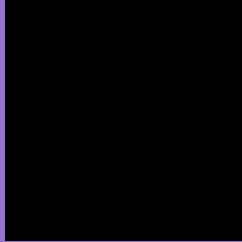
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.2429, 0.2593, 0.2036

Background



This preview shows how black text looks on a background with the Yxy color 23.2429, 0.2593, 0.2036.



This preview shows how white text looks on a background with the Yxy color 23.2429, 0.2593, 0.2036.

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

23.2429, 0.2593, 0.2036

Protanopia

23.5686, 0.2155, 0.1986

Deuteranopia

23.4110, 0.2245, 0.2183



Tritanopia

23.3899, 0.3078, 0.3120

Trichromacy



Original Color

23.2429, 0.2593, 0.2036

Protanomaly

23.2353, 0.2287, 0.1993

Deuteranomaly

22.9943, 0.2350, 0.2114

Tritanomaly

23.2138, 0.2880, 0.2667

Monochromacy



Original Color

23.2429, 0.2593, 0.2036

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

23.8492, 0.2920, 0.2775

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2429, 0.2593, 0.2036 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(148, 116, 206)` looks like.

```
.text, #text, p{  
    color:rgb(148, 116, 206)  
}
```

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(148, 116, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 116, 206) }
```

Border

The CSS property to change the border of an element to Yxy 23.2429, 0.2593, 0.2036 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(148, 116, 206) }
```

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

```
.border{ border-color:rgb(148, 116, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 116, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 116, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 116, 206);  
box-shadow:4px 4px 4px 4px rgb(148, 116,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2429, 0.2593, 0.2036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 116, 206) }
```

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

```
.background{ background-color: rgb(148,  
116, 206) }
```

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