

Converting Colors

$Y_{xy}(23.8035, 0.2494, 0.1920)$

Have a look what the booklet for
Yxy(23.8035, 0.2494, 0.1920)
contains.

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Color

Yxy(23.7558, 0.2495, 0.1916)

Conversions

Conversions Part 1

Format	Color
Hex	9374DA
RGB	147, 116, 218
RGB Percent	58%, 45%, 85%
CMY	0.4235, 0.5451, 0.1450
CMYK	0.33, 0.47, 0.00, 0.15
HSL	258°, 58%, 65%
HSV	258°, 47%, 85%
XYZ	30.9346, 23.7558, 69.2960
YIQ	136.8970, -14.2660, 38.2940

Conversions

Conversions Part 2

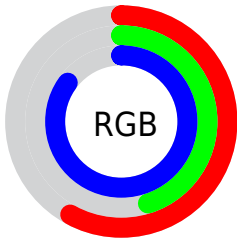
Format	Color
R_{YB}	147, 116, 218
Decimal	9663706
CIE _{Lab}	55.84, 34.27, -48.17
CIE _{LCh}	56, 59.112, 305.428
Yxy	23.7558, 0.2495, 0.1916
Android (android.graphics.Color)	4287853786 (0xFF9374DA)
YUV	136.8970, 39.9838, 8.8603
Hunter-Lab	48.7399, 27.9968, -50.1777

Details

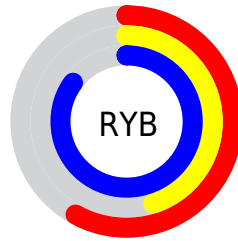
The Yxy color **23.7558, 0.2495, 0.1916** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **61.9792, 0.3566, 0.4537**, and the grayscale version is **24.8263, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2924, 0.2759, 0.2343**, and **8.8983, 0.2268, 0.1559** is the 20% darker color. If you saturate the color by 10%, you get **17.9950, 0.2324, 0.1598**, and if you desaturate by 10%, it is **30.8828, 0.2658, 0.2239**.

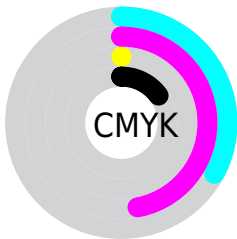
Distribution



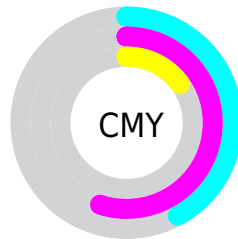
- Red (58%)
- Green (45%)
- Blue (85%)



- Red (58%)
- Yellow (45%)
- Blue (85%)



- Cyan (33%)
- Magenta (47%)
- Yellow (0%)
- Black (15%)




- Cyan (42%)
- Magenta (55%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7558, 0.2495, 0.1916 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 23.7558, 0.2495, 0.1916 by changing the saturation by 10% instead.


 23.7558, 0.2495,
0.1916

 23.7558, 0.2495,
0.1916


271.5836, 0.2848,
0.2595


 15.1526, 0.2398,
0.1755


 49.6314, 0.2631,
0.2158

 8.9265, 0.2269,
0.1556


 67.6726, 0.2680,
0.2250

 4.6933, 0.2093,
0.1307


 89.6285, 0.2720,
0.2329

 2.0685, 0.1844,
0.0994

115.8836, 0.2754,
0.2397

 0.6468, 0.1482,
0.0595

146.8223, 0.2783,
0.2456

 0.0000, 0.0833,
0.0000

182.8289, 0.2808,

 0.0000, 0.0000,

0.2508

0.0000

224.2878, 0.2829,
0.2554

■ 23.7558, 0.2495,
0.1916

■ 23.7558, 0.2495,
0.1916

■ 17.9950, 0.2324,
0.1598

■ 30.8828, 0.2658,
0.2239

■ 13.5066, 0.2152,
0.1304

■ 39.4557, 0.2807,
0.2554

■ 10.1893, 0.1989,
0.1053

■ 49.5511, 0.2941,
0.2849

■ 7.9241, 0.1846,
0.0863

■ 61.2395, 0.3057,
0.3121

■ 6.5588, 0.1730,
0.0739

■ 74.5868, 0.3158,
0.3366

■ 6.2301, 0.1697,
0.0709

■ 89.6552, 0.3243,
0.3584

■ 97.5097, 0.3334,
0.3652

■ 97.8429, 0.3345,
0.3651

Harmonies

Analogous

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



23.7558, 0.1824, 0.1819



23.7558, 0.2495, 0.1916



23.7558, 0.3483, 0.2267

Triad

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



23.7558, 0.2495, 0.1916



23.7558, 0.4995, 0.4179



23.7558, 0.1838, 0.3639

Complementary

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



23.7558, 0.2495, 0.1916



61.9792, 0.3566, 0.4537

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.



23.7558, 0.2558, 0.4768



23.7558, 0.2495, 0.1916



23.7558, 0.4374, 0.4861

Square

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



23.7558, 0.2495, 0.1916



23.7558, 0.5095, 0.3474



23.7558, 0.3487, 0.5216



23.7558, 0.1491, 0.2606

Rectangle

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



23.7558, 0.2495, 0.1916



23.7558, 0.4195, 0.2617



23.7558, 0.3487, 0.5216



23.7558, 0.2040, 0.4042

Sweetspot

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



23.7567, 0.2495, 0.1916



74.8874, 0.2973, 0.2924



44.4914, 0.2431, 0.2868



15.2893, 0.2947, 0.2863



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.



23.7567, 0.2495, 0.1916



25.8804, 0.2329, 0.1607



29.5067, 0.2976, 0.2087



12.8081, 0.3028, 0.3052



3.7813, 0.1711, 0.0716



0.2894, 0.1888, 0.0814

Inverse Universe

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



30.9870, 0.3508, 0.2463



37.6259, 0.3620, 0.2313



56.6807, 0.3189, 0.4701



13.2039, 0.3184, 0.3129



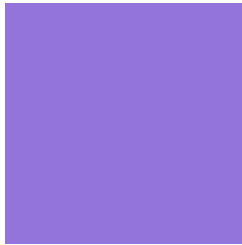
10.3031, 0.4155, 0.2063



0.6825, 0.3964, 0.1958

Previews

White Background



This preview shows how the Yxy color 23.7558, 0.2495, 0.1916 looks on a white background.

Color Contrast Check

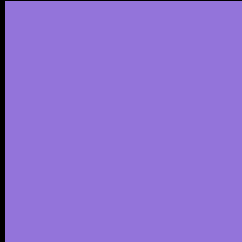
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7558, 0.2495, 0.1916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

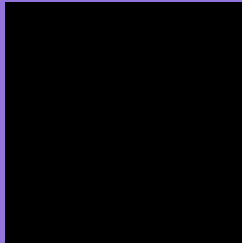
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7558, 0.2495, 0.1916

Background



This preview shows how black text looks on a background with the Yxy color 23.7558, 0.2495, 0.1916.



This preview shows how white text looks on a background with the Yxy color 23.7558, 0.2495, 0.1916.

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

23.7558, 0.2495, 0.1916

Protanopia

24.1826, 0.2052, 0.1852

Deuteranopia

23.9315, 0.2130, 0.2073



Tritanopia

23.6942, 0.3003, 0.3102

Trichromacy



Original Color

23.7558, 0.2495, 0.1916

Protanomaly

23.7828, 0.2180, 0.1868

Deuteranomaly

23.3363, 0.2238, 0.1996

Tritanomaly

23.4374, 0.2793, 0.2592

Monochromacy



Original Color

23.7558, 0.2495, 0.1916

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.1164, 0.2883, 0.2703

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7558, 0.2495, 0.1916 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(147, 116, 218)` looks like.

```
.text, #text, p{  
    color:rgb(147, 116, 218)  
}
```

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(147, 116, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 116, 218) }
```

Border

The CSS property to change the border of an element to Yxy 23.7558, 0.2495, 0.1916 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(147, 116, 218) }
```

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

```
.border{ border-color:rgb(147, 116, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 116, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 116, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 116, 218);  
box-shadow:4px 4px 4px 4px rgb(147, 116,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7558, 0.2495, 0.1916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 116, 218) }
```

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

```
.background{ background-color: rgb(147,  
116, 218) }
```

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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