

Converting Colors

$Y_{xy}(23.7143, 0.2595, 0.1918)$

Have a look what the booklet for
Yxy(23.7143, 0.2595, 0.1918)
contains.

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Color

Yxy(23.7143, 0.2595, 0.1918)

Conversions

Conversions Part 1

Format	Color
Hex	9D70D8
RGB	157, 112, 216
RGB Percent	62%, 44%, 85%
CMY	0.3845, 0.5607, 0.1530
CMYK	0.27, 0.48, 0.00, 0.15
HSL	266°, 57%, 64%
HSV	266°, 48%, 85%
XYZ	32.0848, 23.7143, 67.8417
YIQ	137.3110, -6.5640, 41.8840

Conversions

Conversions Part 2

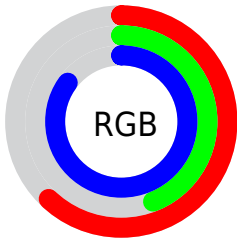
Format	Color
R _{YB}	157, 112, 216
Decimal	10318040
CIE Lab	55.80, 38.66, -47.03
CIE LCh	56, 60.876, 309.421
Yxy	23.7143, 0.2595, 0.1918
Android (android.graphics.Color)	4288508120 (0xFF9D70D8)
YUV	137.3110, 38.7937, 17.2673
Hunter-Lab	48.6973, 32.3864, -48.5105

Details

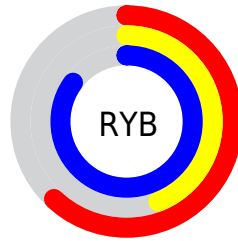
The Yxy color **23.7143, 0.2595, 0.1918** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **58.9394, 0.3471, 0.4619**, and the grayscale version is **24.9925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.4264, 0.2841, 0.2323**, and **8.8432, 0.2384, 0.1546** is the 20% darker color. If you saturate the color by 10%, you get **18.3337, 0.2450, 0.1621**, and if you desaturate by 10%, it is **30.3636, 0.2731, 0.2225**.

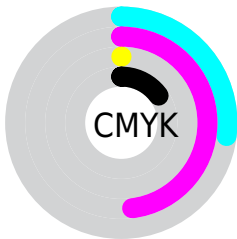
Distribution



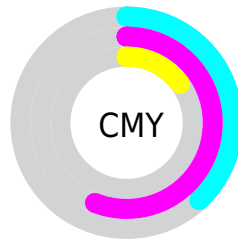
- Red (62%)
- Green (44%)
- Blue (85%)



- Red (62%)
- Yellow (44%)
- Blue (85%)



- Cyan (27%)
- Magenta (48%)
- Yellow (0%)
- Black (15%)




- Cyan (38%)
- Magenta (56%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7143, 0.2595, 0.1918 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 23.7143, 0.2595, 0.1918 by changing the saturation by 10% instead.


 23.7143, 0.2595,
0.1918


 23.7143, 0.2595,
0.1918


271.3729, 0.2899,
0.2594


 15.1218, 0.2509,
0.1758


 49.5636, 0.2713,
0.2158

 8.9049, 0.2395,
0.1561


 67.5892, 0.2755,
0.2250

 4.6792, 0.2236,
0.1313


 89.5279, 0.2790,
0.2329

 2.0603, 0.2006,
0.1002

 115.7642, 0.2819,
0.2397

 0.6422, 0.1664,
0.0602

146.6825, 0.2844,
0.2456

 0.0000, 0.1076,
0.0000

182.6671, 0.2865,

 0.0000, 0.0000,

0.2507

0.0000

224.1024, 0.2883,
0.2553

■ 23.7143, 0.2595,
0.1918

■ 23.7143, 0.2595,
0.1918

■ 18.3337, 0.2450,
0.1621

■ 30.3636, 0.2731,
0.2225

■ 14.1325, 0.2302,
0.1351

■ 38.3573, 0.2855,
0.2528

■ 11.0133, 0.2158,
0.1122

■ 47.7680, 0.2964,
0.2817

■ 8.8614, 0.2025,
0.0948

■ 58.6624, 0.3060,
0.3087

■ 7.5115, 0.1909,
0.0832

■ 71.1029, 0.3141,
0.3334

7.3020, 0.1888,
0.0814

85.1481, 0.3211,
0.3558

95.4974, 0.3278,
0.3681

97.7371, 0.3358,
0.3671

Harmonies

Analogous

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



23.7143, 0.1863, 0.1782



23.7143, 0.2595, 0.1918



23.7143, 0.3641, 0.2307

Triad

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



23.7143, 0.2595, 0.1918



23.7143, 0.4980, 0.4287



23.7143, 0.1733, 0.3483

Complementary

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



23.7143, 0.2595, 0.1918



58.9394, 0.3471, 0.4619

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.



23.7143, 0.2421, 0.4690



23.7143, 0.2595, 0.1918



23.7143, 0.4286, 0.4975

Square

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



23.7143, 0.2595, 0.1918



23.7143, 0.5176, 0.3562



23.7143, 0.3358, 0.5273



23.7143, 0.1435, 0.2475

Rectangle

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



23.7143, 0.2595, 0.1918



23.7143, 0.4362, 0.2678



23.7143, 0.3358, 0.5273



23.7143, 0.1921, 0.3898

Sweetspot

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



23.7152, 0.2595, 0.1918



75.6556, 0.3004, 0.2928



38.1645, 0.2380, 0.2675



15.4753, 0.2983, 0.2868



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.



23.7152, 0.2595, 0.1918



26.4159, 0.2444, 0.1610



29.8636, 0.3093, 0.2099



12.2685, 0.3048, 0.3054



4.3838, 0.1904, 0.0823



0.3128, 0.2100, 0.0931

Inverse Universe

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



29.1339, 0.3683, 0.2587



35.5616, 0.3864, 0.2457



54.3175, 0.3109, 0.4782



12.5378, 0.3203, 0.3158



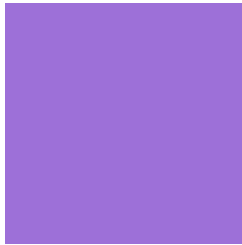
9.5045, 0.4663, 0.2342



0.5897, 0.4344, 0.2167

Previews

White Background



This preview shows how the Yxy color 23.7143, 0.2595, 0.1918 looks on a white background.

Color Contrast Check

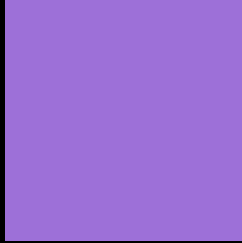
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7143, 0.2595, 0.1918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

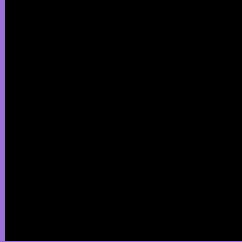
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7143, 0.2595, 0.1918

Background



This preview shows how black text looks on a background with the Yxy color 23.7143, 0.2595, 0.1918.



This preview shows how white text looks on a background with the Yxy color 23.7143, 0.2595, 0.1918.

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

23.7143, 0.2595, 0.1918

Protanopia

23.9232, 0.2040, 0.1827

Deuteranopia

23.9775, 0.2167, 0.2112



Tritanopia

23.6984, 0.3170, 0.3124

Trichromacy



Original Color

23.7143, 0.2595, 0.1918

Protanomaly

23.2227, 0.2191, 0.1833

Deuteranomaly

23.3706, 0.2289, 0.2015

Tritanomaly

23.2890, 0.2936, 0.2593

Monochromacy



Original Color

23.7143, 0.2595, 0.1918

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.1208, 0.2914, 0.2693

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7143, 0.2595, 0.1918 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(157, 112, 216)` looks like.

```
.text, #text, p{  
    color:rgb(157, 112, 216)  
}
```

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(157, 112, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 112, 216) }
```

Border

The CSS property to change the border of an element to Yxy 23.7143, 0.2595, 0.1918 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(157, 112, 216) }
```

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

```
.border{ border-color:rgb(157, 112, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 112, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 112, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 112, 216);  
box-shadow:4px 4px 4px 4px rgb(157, 112,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7143, 0.2595, 0.1918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 112, 216) }
```

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

```
.background{ background-color: rgb(157,  
112, 216) }
```

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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