

Converting Colors

$Y_{xy}(29.8569, 0.1979, 0.1152)$

Have a look what the booklet for
Yxy(29.8569, 0.1979, 0.1152)
contains.

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Color

Yxy(23.5959, 0.2287, 0.1506)

Conversions

Conversions Part 1

Format	Color
Hex	9867FF
RGB	152, 103, 255
RGB Percent	60%, 40%, 100%
CMY	0.4043, 0.5959, 0.0001
CMYK	0.40, 0.60, 0.00, 0.00
HSL	259°, 100%, 70%
HSV	259°, 60%, 100%
XYZ	35.8326, 23.5959, 97.2508
YIQ	134.9790, -19.5880, 57.6600

Conversions

Conversions Part 2

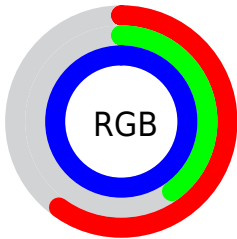
Format	Color
R _Y B	152, 103, 255
Decimal	9988095
CIE Lab	55.68, 52.23, -69.02
CIE LCh	56, 86.556, 307.117
Yxy	23.5959, 0.2287, 0.1506
Android (android.graphics.Color)	4288178175 (0xFF9867FF)
YUV	134.9790, 59.1704, 14.9274
Hunter-Lab	48.5756, 46.6660, -84.6987

Details

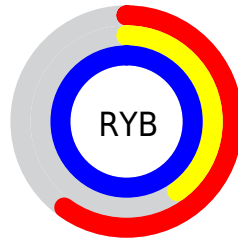
The Yxy color **23.5959, 0.2287, 0.1506** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **85.6225, 0.3633, 0.4884**, and the grayscale version is **24.0037, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.8458, 0.2813, 0.2221**, and **8.8144, 0.2020, 0.1125** is the 20% darker color. If you saturate the color by 10%, you get **17.7234, 0.2118, 0.1224**, and if you desaturate by 10%, it is **31.2595, 0.2458, 0.1819**.

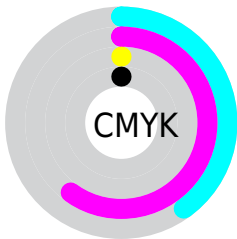
Distribution



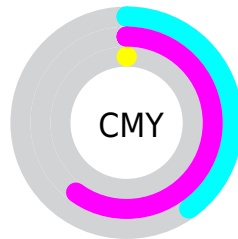
- Red (60%)
- Green (40%)
- Blue (100%)



- Red (60%)
- Yellow (40%)
- Blue (100%)



- Cyan (40%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (40%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5959, 0.2287, 0.1506 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 23.5959, 0.2287, 0.1506 by changing the saturation by 10% instead.


 23.5959, 0.2287,
0.1506


 23.5959, 0.2287,
0.1506


270.7711, 0.2749,
0.2328


 15.0341, 0.2168,
0.1332


 49.3700, 0.2460,
0.1783

 8.8433, 0.2015,
0.1127


 67.3510, 0.2523,
0.1894

 4.6391, 0.1817,
0.0889


 89.2407, 0.2577,
0.1990

 2.0371, 0.1556,
0.0620

 115.4233, 0.2622,
0.2075

 0.6289, 0.1213,
0.0325

146.2832, 0.2661,
0.2150

 0.0000, 0.0784,
0.0000

182.2049, 0.2694,

 0.0000, 0.0000,

0.2216

0.0000

223.5727, 0.2723,
0.2275

■ 23.5959, 0.2287,
0.1506

■ 23.5959, 0.2287,
0.1506

■ 17.7234, 0.2118,
0.1224

■ 31.2595, 0.2458,
0.1819

■ 13.4835, 0.1961,
0.0992

■ 40.8488, 0.2621,
0.2142

■ 10.6926, 0.1825,
0.0824

■ 52.4883, 0.2773,
0.2462

■ 9.0677, 0.1716,
0.0720

■ 66.2908, 0.2909,
0.2765

■ 9.0119, 0.1712,
0.0717

■ 82.3609, 0.3028,
0.3046

99.9983, 0.3127,
0.3290

Harmonies

Analogous

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



23.5959, 0.1432, 0.1360



23.5959, 0.2287, 0.1506



23.5959, 0.3686, 0.1947

Triad

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



23.5959, 0.2287, 0.1506



23.5959, 0.5528, 0.4265



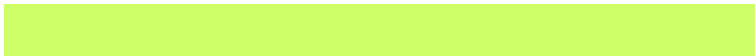
23.5959, 0.1298, 0.3629

Complementary

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



23.5959, 0.2287, 0.1506



85.6225, 0.3633, 0.4884

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.



23.5959, 0.2147, 0.5532



23.5959, 0.2287, 0.1506



23.5959, 0.4536, 0.5305

Square

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



23.5959, 0.2287, 0.1506



23.5959, 0.5900, 0.3390



23.5959, 0.3327, 0.6101



23.5959, 0.0972, 0.2183

Rectangle

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



23.5959, 0.2287, 0.1506



23.5959, 0.4743, 0.2381



23.5959, 0.3327, 0.6101



23.5959, 0.1522, 0.4287

Sweetspot

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



23.5967, 0.2287, 0.1506



68.6951, 0.2929, 0.2811



54.6661, 0.2259, 0.2689



13.7723, 0.2892, 0.2726



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.



23.5967, 0.2287, 0.1506



17.0303, 0.2095, 0.1188



33.2807, 0.2936, 0.1789



17.6612, 0.3029, 0.3048



4.7807, 0.1727, 0.0725



0.5214, 0.1847, 0.0791

Inverse Universe

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



35.4287, 0.3694, 0.2286



30.1719, 0.3850, 0.2161



77.3015, 0.3168, 0.5150



18.1951, 0.3188, 0.3130



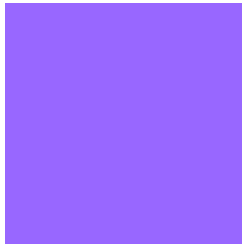
12.7137, 0.4231, 0.2105



1.2579, 0.4085, 0.2024

Previews

White Background



This preview shows how the Yxy color 23.5959, 0.2287, 0.1506 looks on a white background.

Color Contrast Check

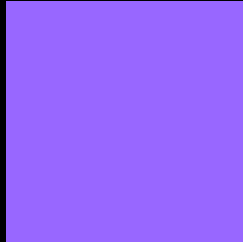
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5959, 0.2287, 0.1506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

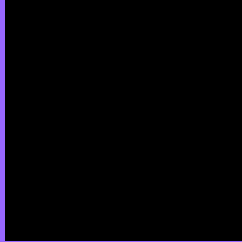
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5959, 0.2287, 0.1506

Background



This preview shows how black text looks on a background with the Yxy color 23.5959, 0.2287, 0.1506.



This preview shows how white text looks on a background with the Yxy color 23.5959, 0.2287, 0.1506.

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

23.5959, 0.2287, 0.1506

Protanopia

23.8812, 0.1858, 0.1598

Deuteranopia

23.8403, 0.1831, 0.1790



Tritanopia

23.4994, 0.2939, 0.3116

Trichromacy



Original Color

23.5959, 0.2287, 0.1506

Protanomaly

22.9801, 0.1955, 0.1534

Deuteranomaly

21.8201, 0.1853, 0.1600

Tritanomaly

22.7775, 0.2655, 0.2351

Monochromacy



Original Color

23.5959, 0.2287, 0.1506

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.0833, 0.2758, 0.2430

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5959, 0.2287, 0.1506 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(152, 103, 255)` looks like.

```
.text, #text, p{  
    color:rgb(152, 103, 255)  
}
```

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(152, 103, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 103, 255) }
```

Border

The CSS property to change the border of an element to Yxy 23.5959, 0.2287, 0.1506 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(152, 103, 255) }
```

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

```
.border{ border-color:rgb(152, 103, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 103, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 103, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 103, 255);  
box-shadow:4px 4px 4px 4px rgb(152, 103,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5959, 0.2287, 0.1506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 103, 255) }
```

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

```
.background{ background-color: rgb(152,  
103, 255) }
```

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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