

Converting Colors

Yxy(23.4560, 0.2291, 0.1498)

Have a look what the booklet for
Yxy(23.4560, 0.2291, 0.1498)
contains.

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Color

Yxy(23.4950, 0.2294, 0.1500)

Conversions

Conversions Part 1

Format	Color
Hex	9966FF
RGB	153, 102, 255
RGB Percent	60%, 40%, 100%
CMY	0.4000, 0.5999, 0.0002
CMYK	0.40, 0.60, 0.00, 0.00
HSL	260°, 100%, 70%
HSV	260°, 60%, 100%
XYZ	35.9317, 23.4950, 97.2066
YIQ	134.6910, -18.7170, 58.3950

Conversions

Conversions Part 2

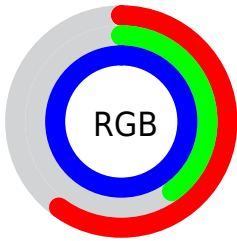
Format	Color
R _Y B	153, 102, 255
Decimal	10053375
CIE _{Lab}	55.58, 53.01, -69.17
CIE _{LCh}	56, 87.142, 307.465
Y _{xy}	23.4950, 0.2294, 0.1500
Android (android.graphics.Color)	4288243455 (0xFF9966FF)
Y _{UV}	134.6910, 59.3123, 16.0570
Hunter-Lab	48.4716, 47.4954, -84.9720

Details

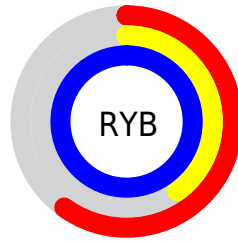
The Yxy color **23.4950, 0.2294, 0.1500** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **85.2804, 0.3622, 0.4900**, and the grayscale version is **23.8925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.6597, 0.2821, 0.2213**, and **8.7786, 0.2027, 0.1121** is the 20% darker color. If you saturate the color by 10%, you get **17.6930, 0.2127, 0.1221**, and if you desaturate by 10%, it is **31.0744, 0.2462, 0.1810**.

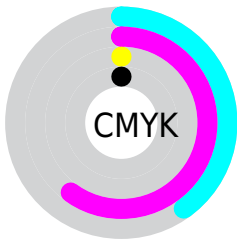
Distribution



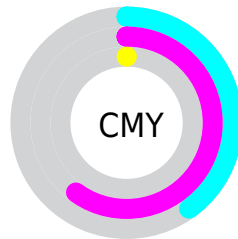
- Red (60%)
- Green (40%)
- Blue (100%)



- 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 23.4950, 0.2294, 0.1500 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 23.4950, 0.2294, 0.1500 by changing the saturation by 10% instead.


 23.4950, 0.2294,
0.1500


 23.4950, 0.2294,
0.1500


270.2573, 0.2753,
0.2324


 14.9594, 0.2175,
0.1325


 49.2048, 0.2466,
0.1778


 8.7909, 0.2023,
0.1121


 67.1479, 0.2529,
0.1889

 4.6051, 0.1826,
0.0883


 88.9956, 0.2582,
0.1985

 2.0175, 0.1565,
0.0614

 115.1323, 0.2627,
0.2070

 0.6176, 0.1222,
0.0319

145.9425, 0.2666,
0.2145

 0.0000, 0.0792,
0.0000

181.8104, 0.2699,

 0.0000, 0.0000,

0.2212

0.0000

223.1206, 0.2728,
0.2271

■ 23.4950, 0.2294,
0.1500

■ 23.4950, 0.2294,
0.1500

■ 17.6930, 0.2127,
0.1221

■ 31.0744, 0.2462,
0.1810

■ 13.5098, 0.1972,
0.0993

■ 40.5660, 0.2624,
0.2132

■ 10.7609, 0.1837,
0.0828

■ 52.0941, 0.2774,
0.2451

■ 9.1500, 0.1728,
0.0725

■ 65.7715, 0.2908,
0.2754

■ 9.1480, 0.1728,
0.0725

■ 81.7026, 0.3026,
0.3035

99.9848, 0.3127,
0.3290

99.9968, 0.3127,
0.3290

Harmonies

Analogous

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



23.4950, 0.1429, 0.1350



23.4950, 0.2294, 0.1500



23.4950, 0.3708, 0.1946

Triad

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



23.4950, 0.2294, 0.1500



23.4950, 0.5530, 0.4274



23.4950, 0.1280, 0.3608

Complementary

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



23.4950, 0.2294, 0.1500



85.2804, 0.3622, 0.4900

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.



23.4950, 0.2125, 0.5536



23.4950, 0.2294, 0.1500



23.4950, 0.4525, 0.5326

Square

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



23.4950, 0.2294, 0.1500



23.4950, 0.5919, 0.3395



23.4950, 0.3308, 0.6126



23.4950, 0.0960, 0.2162

Rectangle

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



23.4950, 0.2294, 0.1500



23.4950, 0.4773, 0.2382



23.4950, 0.3308, 0.6126



23.4950, 0.1501, 0.4271

Sweetspot

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



23.4958, 0.2294, 0.1500



68.7817, 0.2933, 0.2812



53.2155, 0.2247, 0.2650



13.7932, 0.2896, 0.2727



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.



23.4958, 0.2294, 0.1500



16.7324, 0.2095, 0.1171



33.4572, 0.2958, 0.1791



17.6719, 0.3031, 0.3048



4.8546, 0.1743, 0.0734



0.5295, 0.1864, 0.0801

Inverse Universe

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



35.1148, 0.3720, 0.2297



29.7031, 0.3892, 0.2172



76.9991, 0.3154, 0.5170



18.1914, 0.3189, 0.3133



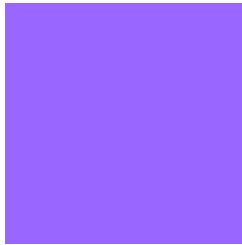
12.6539, 0.4277, 0.2130



1.2524, 0.4124, 0.2045

Previews

White Background



This preview shows how the Yxy color 23.4950, 0.2294, 0.1500 looks on a white background.

Color Contrast Check

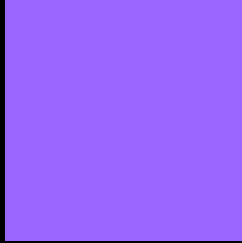
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4950, 0.2294, 0.1500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

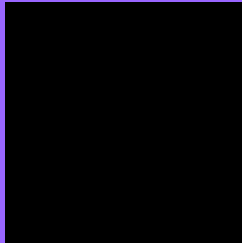
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.4950, 0.2294, 0.1500

Background



This preview shows how black text looks on a background with the Yxy color 23.4950, 0.2294, 0.1500.



This preview shows how white text looks on a background with the Yxy color 23.4950, 0.2294, 0.1500.

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

23.4950, 0.2294, 0.1500

Protanopia

23.8503, 0.1856, 0.1597

Deuteranopia

23.8403, 0.1831, 0.1790



Tritanopia

23.3779, 0.2960, 0.3100

Trichromacy



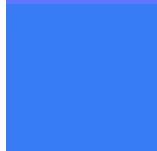
Original Color

23.4950, 0.2294, 0.1500



Protanomaly

22.7408, 0.1952, 0.1523



Deuteranomaly

21.8486, 0.1856, 0.1601



Tritanomaly

22.6981, 0.2673, 0.2340

Monochromacy



Original Color

23.4950, 0.2294, 0.1500



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

23.1714, 0.2768, 0.2432

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4950, 0.2294, 0.1500 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(153, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 102, 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(153, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 102, 255) }
```

Border

The CSS property to change the border of an element to Yxy 23.4950, 0.2294, 0.1500 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(153, 102, 255) }
```

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

```
.border{ border-color:rgb(153, 102, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 102,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4950, 0.2294, 0.1500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 102, 255) }
```

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

```
.background{ background-color: rgb(153,  
102, 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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