

Converting Colors

$Y_{xy}(12.2379, 0.2770, 0.1499)$

Have a look what the booklet for
Yxy(12.2379, 0.2770, 0.1499)
contains.

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Color

Yxy(12.1539, 0.2770, 0.1498)

Conversions

Conversions Part 1

Format	Color
Hex	9730B8
RGB	151, 48, 184
RGB Percent	59%, 19%, 72%
CMY	0.4077, 0.8119, 0.2784
CMYK	0.18, 0.74, 0.00, 0.28
HSL	285°, 59%, 45%
HSV	285°, 74%, 72%
XYZ	22.4742, 12.1539, 46.5061
YIQ	94.3010, 17.7320, 64.1320

Conversions

Conversions Part 2

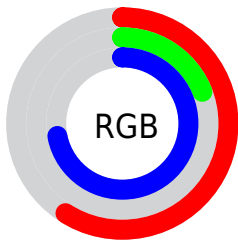
Format	Color
R_{YB}	151, 48, 184
Decimal	9908408
CIE _{Lab}	41.46, 61.51, -51.55
CIE _{LCh}	41, 80.259, 320.036
Yxy	12.1539, 0.2770, 0.1498
Android (android.graphics.Color)	4288098488 (0xFF9730B8)
YUV	94.3010, 44.2216, 49.7250
Hunter-Lab	34.8624, 54.0612, -54.6885

Details

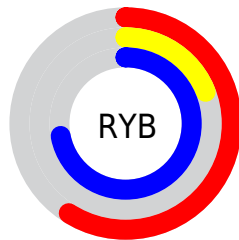
The Yxy color **12.1539, 0.2770, 0.1498** is a dark color, and the websafe version is hex **9933CC**. A complement of this color would be **36.2392, 0.3192, 0.5493**, and the grayscale version is **11.1570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8068, 0.2884, 0.1824**, and **4.0446, 0.2556, 0.1182** is the 20% darker color. If you saturate the color by 10%, you get **10.5309, 0.2705, 0.1353**, and if you desaturate by 10%, it is **14.4179, 0.2834, 0.1686**.

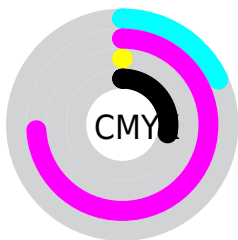
Distribution



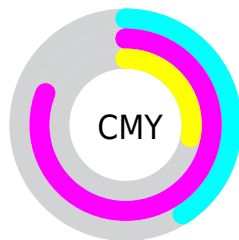
- Red (59%)
- Green (19%)
- Blue (72%)



- Red (59%)
- Yellow (19%)
- Blue (72%)



- Cyan (18%)
- Magenta (74%)
- Yellow (0%)
- Black (28%)





- Cyan (41%)
- Magenta (81%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1539, 0.2770, 0.1498 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 12.1539, 0.2770, 0.1498 by changing the saturation by 10% instead.


 12.1539, 0.2770,
0.1498


 12.1539, 0.2770,
0.1498


 205.4215, 0.3023,
0.2410


 6.8486, 0.2679,
0.1281


 29.7751, 0.2882,
0.1826


 3.3676, 0.2545,
0.1017


 42.8598, 0.2918,
0.1951

 1.3265, 0.2339,
0.0701

 59.3063, 0.2946,
0.2057

 0.1616, 0.2044,
0.0170

 79.4992, 0.2968,
0.2148

 0.0000, 0.1422,
0.0000

 103.8227, 0.2986,
0.2227

 0.0000, 0.0000,
0.0000

 132.6614, 0.3000,

0.2296

166.3995, 0.3012,
0.2357

■ 12.1539, 0.2770,
0.1498

■ 12.1539, 0.2770,
0.1498

■ 10.5309, 0.2705,
0.1353

■ 14.4179, 0.2834,
0.1686

■ 9.4642, 0.2641,
0.1253

■ 17.3904, 0.2895,
0.1910

■ 8.9838, 0.2603,
0.1207

■ 21.1318, 0.2952,
0.2158

■ 25.6957, 0.3003,
0.2419

■ 31.1307, 0.3047,
0.2685

■ 37.4817, 0.3085,
0.2946

■ 44.7905, 0.3116,
0.3196

■ 53.0961, 0.3142,
0.3431

■ 62.4355, 0.3163,
0.3649

Harmonies

Analogous

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



12.1539, 0.1580, 0.1212



12.1539, 0.2770, 0.1498



12.1539, 0.4550, 0.2085

Triad

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



12.1539, 0.2770, 0.1498



12.1539, 0.5282, 0.4718



12.1539, 0.0891, 0.2785

Complementary

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



12.1539, 0.2770, 0.1498



36.2392, 0.3192, 0.5493

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.



12.1539, 0.1506, 0.5020



12.1539, 0.2770, 0.1498



12.1539, 0.4004, 0.5996

Square

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



12.1539, 0.2770, 0.1498



12.1539, 0.6132, 0.3658



12.1539, 0.2649, 0.6563



12.1539, 0.0773, 0.1637

Rectangle

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



12.1539, 0.2770, 0.1498



12.1539, 0.5635, 0.2583



12.1539, 0.2649, 0.6563



12.1539, 0.1028, 0.3427

Sweetspot

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



12.1544, 0.2770, 0.1498



58.1172, 0.3053, 0.2726



10.1202, 0.1851, 0.1454



11.9098, 0.3042, 0.2655



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.1544, 0.2770, 0.1498



17.7189, 0.2663, 0.1282



14.5035, 0.3703, 0.2040



9.0501, 0.3100, 0.3062



6.2259, 0.2610, 0.1212



0.2463, 0.2773, 0.1301

Inverse Universe

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



12.8951, 0.5036, 0.2912



19.7791, 0.5659, 0.2978



35.5158, 0.2874, 0.5134



9.0470, 0.3251, 0.3235



7.1611, 0.5923, 0.3036



0.2625, 0.5182, 0.2628

Previews

White Background



This preview shows how the Yxy color 12.1539, 0.2770, 0.1498 looks on a white background.

Color Contrast Check

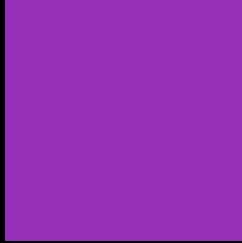
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 12.1539, 0.2770, 0.1498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

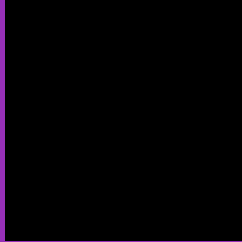
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.1539, 0.2770, 0.1498

Background



This preview shows how black text looks on a background with the Yxy color 12.1539, 0.2770, 0.1498.



This preview shows how white text looks on a background with the Yxy color 12.1539, 0.2770, 0.1498.

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

12.1539, 0.2770, 0.1498

Protanopia

12.4015, 0.1744, 0.1478

Deuteranopia

12.4425, 0.1889, 0.1844



Tritanopia

12.0742, 0.3963, 0.3161

Trichromacy



Original Color

12.1539, 0.2770, 0.1498



Protanomaly

10.2011, 0.1833, 0.1321



Deuteranomaly

10.4769, 0.2021, 0.1551



Tritanomaly

11.5863, 0.3467, 0.2366

Monochromacy



Original Color

12.1539, 0.2770, 0.1498



Achromatopsia

11.1932, 0.3127, 0.3290



Achromatomaly

10.4849, 0.2984, 0.2308

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1539, 0.2770, 0.1498 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(151, 48, 184)` looks like.

```
.text, #text, p{  
    color:rgb(151, 48, 184)  
}
```

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(151, 48, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 48, 184) }
```

Border

The CSS property to change the border of an element to Yxy 12.1539, 0.2770, 0.1498 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(151, 48, 184) }
```

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

```
.border{ border-color:rgb(151, 48, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 48, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 48, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 48, 184);  
box-shadow:4px 4px 4px 4px rgb(151, 48,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1539, 0.2770, 0.1498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 48, 184) }
```

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

```
.background{ background-color: rgb(151, 48,  
184) }
```

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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