

Converting Colors

$Y_{xy}(24.2375, 0.2549, 0.1650)$

Have a look what the booklet for
Yxy(24.2375, 0.2549, 0.1650)
contains.

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Color

Yxy(24.2899, 0.2553, 0.1653)

Conversions

Conversions Part 1

Format	Color
Hex	AD64F0
RGB	173, 100, 240
RGB Percent	68%, 39%, 94%
CMY	0.3216, 0.6078, 0.0589
CMYK	0.28, 0.58, 0.00, 0.06
HSL	271°, 82%, 67%
HSV	271°, 58%, 94%
XYZ	37.5149, 24.2899, 85.1396
YIQ	137.7870, -1.4320, 59.0160

Conversions

Conversions Part 2

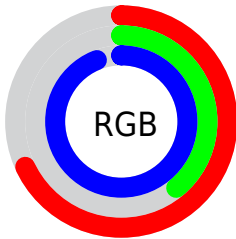
Format	Color
RYB	173, 100, 240
Decimal	11363568
CIELab	56.38, 54.80, -59.47
CIELCh	56, 80.866, 312.660
Yxy	24.2899, 0.2553, 0.1653
Android (android.graphics.Color)	4289553648 (0xFFAD64F0)
YUV	137.7870, 50.3910, 30.8818
Hunter-Lab	49.2848, 49.6233, -67.9242

Details

The Yxy color **24.2899, 0.2553, 0.1653** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **71.4509, 0.3428, 0.4959**, and the grayscale version is **25.1370, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.4870, 0.2983, 0.2252**, and **9.1649, 0.2341, 0.1280** is the 20% darker color. If you saturate the color by 10%, you get **19.0909, 0.2424, 0.1398**, and if you desaturate by 10%, it is **30.9587, 0.2677, 0.1936**.

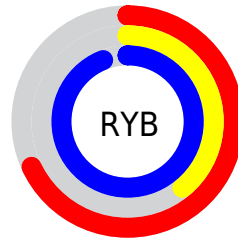
Distribution



Red (68%)

Green (39%)

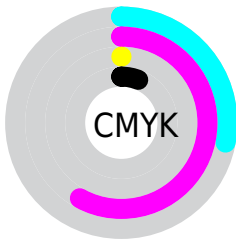
Blue (94%)



Red (68%)

Yellow (39%)

Blue (94%)

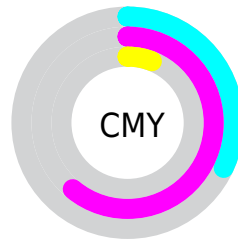


Cyan (28%)

Magenta (58%)

Yellow (0%)

Black (6%)



Cyan (32%)


Magenta (61%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.2899, 0.2553, 0.1653 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 24.2899, 0.2553, 0.1653 by changing the saturation by 10% instead.


 24.2899, 0.2553,
0.1653

 24.2899, 0.2553,
0.1653


274.2829, 0.2884,
0.2420


 15.5488, 0.2462,
0.1485


 50.5029, 0.2681,
0.1916


 9.2055, 0.2341,
0.1283


 68.7435, 0.2727,
0.2019

 4.8754, 0.2178,
0.1043


 90.9195, 0.2765,
0.2109

 2.1744, 0.1951,
0.0760

 117.4152, 0.2797,
0.2187

 0.7060, 0.1627,
0.0437

148.6150, 0.2823,
0.2256

 0.0000, 0.1181,
0.0000

184.9032, 0.2846,

 0.0000, 0.0000,

0.2317

0.0000

226.6644, 0.2866,
0.2371

■ 24.2899, 0.2553,
0.1653

■ 24.2899, 0.2553,
0.1653

■ 19.0909, 0.2424,
0.1398

■ 30.9587, 0.2677,
0.1936

■ 15.2334, 0.2297,
0.1185

■ 39.2054, 0.2793,
0.2232

■ 12.5701, 0.2176,
0.1024


■ 49.1307, 0.2898,
0.2527

■ 10.8927, 0.2067,
0.0918


■ 60.8260, 0.2990,
0.2813

■ 10.6590, 0.2050,
0.0903

■ 74.3758, 0.3070,
0.3082

 89.8592, 0.3138,
0.3330

 98.7684, 0.3204,
0.3435

 99.0706, 0.3215,
0.3434

Harmonies

Analogous

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



24.2899, 0.1636, 0.1458



24.2899, 0.2553, 0.1653



24.2899, 0.3930, 0.2130

Triad

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



24.2899, 0.2553, 0.1653



24.2899, 0.5284, 0.4447



24.2899, 0.1313, 0.3313

Complementary

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



24.2899, 0.2553, 0.1653



71.4509, 0.3428, 0.4959

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.



24.2899, 0.2049, 0.5058



24.2899, 0.2553, 0.1653



24.2899, 0.4307, 0.5401

Square

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



24.2899, 0.2553, 0.1653



24.2899, 0.5737, 0.3576



24.2899, 0.3153, 0.5922



24.2899, 0.1061, 0.2106

Rectangle

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



24.2899, 0.2553, 0.1653



24.2899, 0.4875, 0.2571



24.2899, 0.3153, 0.5922



24.2899, 0.1501, 0.3881

Sweetspot

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



24.2908, 0.2553, 0.1653



71.6669, 0.3001, 0.2848



36.8841, 0.2189, 0.2312



14.7129, 0.2984, 0.2792



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.



24.2908, 0.2553, 0.1653



20.9548, 0.2400, 0.1354



33.7934, 0.3213, 0.1944



15.6341, 0.3061, 0.3052



5.9153, 0.2066, 0.0912



0.5513, 0.2205, 0.0989

Inverse Universe

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



30.4313, 0.4028, 0.2582



29.1047, 0.4320, 0.2496



65.9897, 0.3030, 0.5149



15.8849, 0.3218, 0.3177



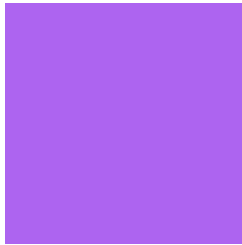
10.8437, 0.5049, 0.2555



0.9221, 0.4743, 0.2386

Previews

White Background



This preview shows how the Yxy color 24.2899, 0.2553, 0.1653 looks on a white background.

Color Contrast Check

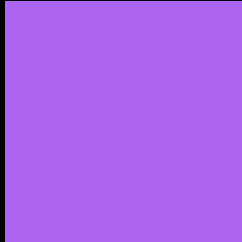
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2899, 0.2553, 0.1653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

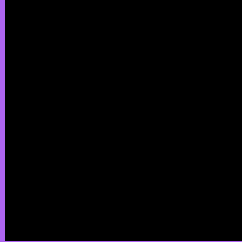
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.2899, 0.2553, 0.1653

Background



This preview shows how black text looks on a background with the Yxy color 24.2899, 0.2553, 0.1653.



This preview shows how white text looks on a background with the Yxy color 24.2899, 0.2553, 0.1653.

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

24.2899, 0.2553, 0.1653

Protanopia

24.6459, 0.1886, 0.1632

Deuteranopia

24.7096, 0.1958, 0.1902



Tritanopia

24.2419, 0.3335, 0.3131

Trichromacy



Original Color

24.2899, 0.2553, 0.1653



Protanomaly

23.3992, 0.2039, 0.1595



Deuteranomaly

23.2382, 0.2089, 0.1753



Tritanomaly

23.7334, 0.3019, 0.2461

Monochromacy



Original Color

24.2899, 0.2553, 0.1653



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

24.0898, 0.2900, 0.2521

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2899, 0.2553, 0.1653 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(173, 100, 240)` looks like.

```
.text, #text, p{  
    color:rgb(173, 100, 240)  
}
```

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(173, 100, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 100, 240) }
```

Border

The CSS property to change the border of an element to Yxy 24.2899, 0.2553, 0.1653 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(173, 100, 240) }
```

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

```
.border{ border-color:rgb(173, 100, 240) }
```

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

Here you see how a box with a 4 pixel rgb(173, 100, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 100, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 100, 240);  
box-shadow:4px 4px 4px 4px rgb(173, 100,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2899, 0.2553, 0.1653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 100, 240) }
```

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

```
.background{ background-color: rgb(173,  
100, 240) }
```

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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