

Converting Colors

$Y_{xy}(23.7764, 0.2345, 0.1535)$

Have a look what the booklet for
Yxy(23.7764, 0.2345, 0.1535)
contains.

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Color

Yxy(23.6991, 0.2342, 0.1532)

Conversions

Conversions Part 1

Format	Color
Hex	9D66FC
RGB	157, 102, 252
RGB Percent	62%, 40%, 99%
CMY	0.3842, 0.6000, 0.0117
CMYK	0.38, 0.60, 0.00, 0.01
HSL	262°, 96%, 69%
HSV	262°, 60%, 99%
XYZ	36.2293, 23.6991, 94.7655
YIQ	135.5450, -15.3700, 58.3100

Conversions

Conversions Part 2

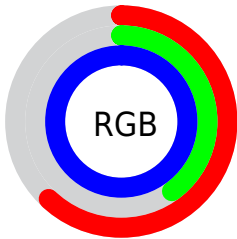
Format	Color
R _Y B	157, 102, 252
Decimal	10315516
CIE Lab	55.79, 53.11, -67.19
CIE LCh	56, 85.642, 308.327
Yxy	23.6991, 0.2342, 0.1532
Android (android.graphics.Color)	4288505596 (0xFF9D66FC)
YUV	135.5450, 57.4123, 18.8160
Hunter-Lab	48.6817, 47.6480, -81.3387

Details

The Yxy color **23.6991, 0.2342, 0.1532** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **82.4522, 0.3585, 0.4908**, and the grayscale version is **24.2288, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2616, 0.2853, 0.2223**, and **8.8594, 0.2080, 0.1155** is the 20% darker color. If you saturate the color by 10%, you get **17.9754, 0.2181, 0.1256**, and if you desaturate by 10%, it is **31.1389, 0.2503, 0.1838**.

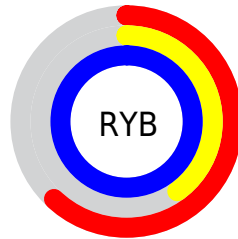
Distribution



Red (62%)

Green (40%)

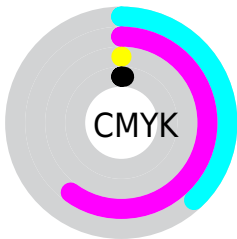
Blue (99%)



Red (62%)

Yellow (40%)

Blue (99%)

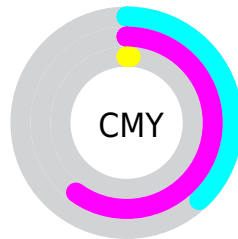


Cyan (38%)

Magenta (60%)

Yellow (0%)

Black (1%)



Cyan (38%)


Magenta (60%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6991, 0.2342, 0.1532 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 23.6991, 0.2342, 0.1532 by changing the saturation by 10% instead.


 23.6991, 0.2342,
0.1532


 23.6991, 0.2342,
0.1532


271.2957, 0.2778,
0.2345


 15.1106, 0.2228,
0.1358


 49.5387, 0.2506,
0.1807


 8.8970, 0.2081,
0.1154


 67.5586, 0.2566,
0.1916

 4.6741, 0.1889,
0.0916


 89.4911, 0.2616,
0.2012

 2.0573, 0.1633,
0.0643

 115.7205, 0.2659,
0.2095

 0.6405, 0.1292,
0.0343

146.6313, 0.2695,
0.2169

 0.0000, 0.0855,
0.0000

182.6078, 0.2726,

 0.0000, 0.0000,

0.2234

0.0000

224.0345, 0.2754,
0.2292

■ 23.6991, 0.2342,
0.1532

■ 23.6991, 0.2342,
0.1532

■ 17.9754, 0.2181,
0.1256

■ 31.1389, 0.2503,
0.1838

■ 13.8161, 0.2028,
0.1028

■ 40.4235, 0.2657,
0.2156

■ 11.0454, 0.1892,
0.0861

■ 51.6720, 0.2799,
0.2470

■ 9.3915, 0.1780,
0.0756

■ 64.9922, 0.2925,
0.2770

■ 9.3264, 0.1775,
0.0752

■ 80.4843, 0.3036,
0.3048

98.2416, 0.3131,
0.3301

99.8087, 0.3144,
0.3319

Harmonies

Analogous

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



23.6991, 0.1470, 0.1374



23.6991, 0.2342, 0.1532



23.6991, 0.3745, 0.1983

Triad

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



23.6991, 0.2342, 0.1532



23.6991, 0.5481, 0.4306



23.6991, 0.1293, 0.3554

Complementary

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



23.6991, 0.2342, 0.1532



82.4522, 0.3585, 0.4908

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.



23.6991, 0.2118, 0.5439



23.6991, 0.2342, 0.1532



23.6991, 0.4485, 0.5335

Square

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



23.6991, 0.2342, 0.1532



23.6991, 0.5876, 0.3429



23.6991, 0.3286, 0.6082



23.6991, 0.0984, 0.2158

Rectangle

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



23.6991, 0.2342, 0.1532



23.6991, 0.4784, 0.2419



23.6991, 0.3286, 0.6082



23.6991, 0.1509, 0.4195

Sweetspot

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



23.6999, 0.2342, 0.1532



69.0284, 0.2943, 0.2813



49.7864, 0.2238, 0.2590



13.8528, 0.2909, 0.2729



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.



23.6999, 0.2342, 0.1532



17.7175, 0.2157, 0.1218



33.6867, 0.3006, 0.1821



16.9529, 0.3036, 0.3049



4.9341, 0.1792, 0.0761



0.5148, 0.1922, 0.0833

Inverse Universe

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



34.2286, 0.3772, 0.2349



29.8073, 0.3957, 0.2233



74.7214, 0.3129, 0.5169



17.4102, 0.3194, 0.3141



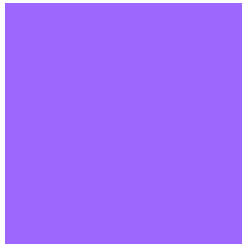
12.1241, 0.4408, 0.2202



1.1433, 0.4226, 0.2102

Previews

White Background



This preview shows how the Yxy color 23.6991, 0.2342, 0.1532 looks on a white background.

Color Contrast Check

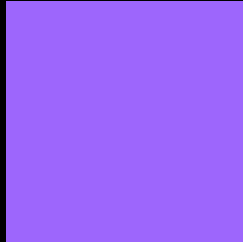
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6991, 0.2342, 0.1532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

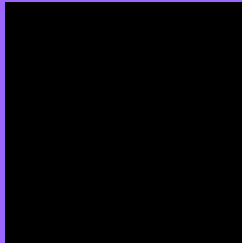
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.6991, 0.2342, 0.1532

Background



This preview shows how black text looks on a background with the Yxy color 23.6991, 0.2342, 0.1532.



This preview shows how white text looks on a background with the Yxy color 23.6991, 0.2342, 0.1532.

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

23.6991, 0.2342, 0.1532

Protanopia

23.9126, 0.1861, 0.1600

Deuteranopia

23.8996, 0.1828, 0.1781



Tritanopia

23.4722, 0.3024, 0.3102

Trichromacy



Original Color

23.6991, 0.2342, 0.1532



Protanomaly

22.8362, 0.1970, 0.1535



Deuteranomaly

21.8168, 0.1861, 0.1610



Tritanomaly

22.8444, 0.2731, 0.2350

Monochromacy



Original Color

23.6991, 0.2342, 0.1532



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

23.5589, 0.2799, 0.2465

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6991, 0.2342, 0.1532 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, 102, 252)` looks like.

```
.text, #text, p{  
    color:rgb(157, 102, 252)  
}
```

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, 102, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 102, 252) }
```

Border

The CSS property to change the border of an element to Yxy 23.6991, 0.2342, 0.1532 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, 102, 252) }
```

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

```
.border{ border-color:rgb(157, 102, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 102, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 102, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 102, 252);  
box-shadow:4px 4px 4px 4px rgb(157, 102,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6991, 0.2342, 0.1532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 102, 252) }
```

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

```
.background{ background-color: rgb(157,  
102, 252) }
```

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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