

Converting Colors

$Y_{xy}(23.7962, 0.2568, 0.1464)$

Have a look what the booklet for
Yxy(23.7962, 0.2568, 0.1464)
contains.

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Color

Yxy(23.7962, 0.2568, 0.1464)

Conversions

Conversions Part 1

Format	Color
Hex	BC51FF
RGB	188, 81, 255
RGB Percent	74%, 32%, 100%
CMY	0.2625, 0.6825, 0.0000
CMYK	0.26, 0.68, 0.00, 0.00
HSL	277°, 100%, 66%
HSV	277°, 68%, 100%
XYZ	41.7409, 23.7962, 97.0053
YIQ	132.8290, 7.9180, 76.7980

Conversions

Conversions Part 2

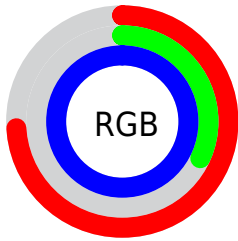
Format	Color
R _Y B	188, 81, 255
Decimal	12341759
CIE _{Lab}	55.88, 70.21, -68.51
CIE _{LCh}	56, 98.098, 315.703
Y _{xy}	23.7962, 0.2568, 0.1464
Android (android.graphics.Color)	4290531839 (0xFFBC51FF)
Y _{UV}	132.8290, 60.2303, 48.3850
Hunter-Lab	48.7813, 67.3702, -83.7556

Details

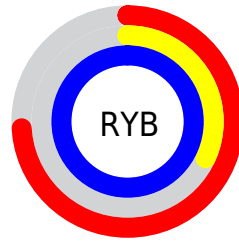
The Yxy color **23.7962, 0.2568, 0.1464** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **78.4009, 0.3337, 0.5292**, and the grayscale version is **23.1619, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.0678, 0.3120, 0.2140**, and **8.9377, 0.2356, 0.1094** is the 20% darker color. If you saturate the color by 10%, you get **19.4899, 0.2463, 0.1268**, and if you desaturate by 10%, it is **29.6099, 0.2673, 0.1702**.

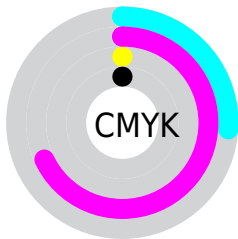
Distribution



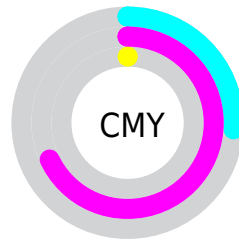
- Red (74%)
- Green (32%)
- Blue (100%)



- Red (74%)
- Yellow (32%)
- Blue (100%)



- Cyan (26%)
- Magenta (68%)
- Yellow (0%)
- Black (0%)





- Cyan (26%)
- Magenta (68%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7962, 0.2568, 0.1464 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 23.7962, 0.2568, 0.1464 by changing the saturation by 10% instead.


 23.7962, 0.2568,
0.1464


 23.7962, 0.2568,
0.1464


271.7885, 0.2899,
0.2288


 15.1825, 0.2476,
0.1292


 49.6974, 0.2697,
0.1739


 8.9476, 0.2356,
0.1093


 67.7537, 0.2743,
0.1849

 4.7070, 0.2195,
0.0862


 89.7264, 0.2781,
0.1946

 2.0764, 0.1973,
0.0602

 115.9998, 0.2813,
0.2031

 0.6513, 0.1664,
0.0320

146.9583, 0.2839,
0.2106

 0.0000, 0.1243,
0.0000

182.9863, 0.2862,


 0.0000, 0.0435,

0.2174


0.0000


224.4683, 0.2882,
0.2234


 0.0000, 0.0000,
0.0000

 23.7962, 0.2568,
0.1464

 23.7962, 0.2568,
0.1464


 19.4899, 0.2463,
0.1268


 29.6099, 0.2673,
0.1702

 16.5189, 0.2360,
0.1122


 37.0736, 0.2773,
0.1969


 14.6493, 0.2265,
0.1027

 46.3150, 0.2865,
0.2252

 14.3788, 0.2249,
0.1012

 57.4481, 0.2948,
0.2538

 70.5775, 0.3021,
0.2818

 85.7998, 0.3083,
0.3084

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



23.7962, 0.1488, 0.1224



23.7962, 0.2568, 0.1464



23.7962, 0.4258, 0.2007

Triad

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



23.7962, 0.2568, 0.1464



23.7962, 0.5427, 0.4556



23.7962, 0.0977, 0.3059

Complementary

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



23.7962, 0.2568, 0.1464



78.4009, 0.3337, 0.5292

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.



23.7962, 0.1681, 0.5309



23.7962, 0.2568, 0.1464



23.7962, 0.4194, 0.5773

Square

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



23.7962, 0.2568, 0.1464



23.7962, 0.6138, 0.3547



23.7962, 0.2861, 0.6506



23.7962, 0.0797, 0.1775

Rectangle

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



23.7962, 0.2568, 0.1464



23.7962, 0.5386, 0.2492



23.7962, 0.2861, 0.6506



23.7962, 0.1143, 0.3743

Sweetspot

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



23.7967, 0.2568, 0.1464



68.1329, 0.3009, 0.2769



30.9645, 0.1999, 0.1908



13.7708, 0.2989, 0.2691



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.



23.7967, 0.2568, 0.1464



18.2298, 0.2424, 0.1207



33.2882, 0.3370, 0.1884



17.9311, 0.3076, 0.3051



7.6019, 0.2264, 0.1021



0.8031, 0.2370, 0.1079

Inverse Universe

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



29.2741, 0.4509, 0.2666



24.7212, 0.4950, 0.2660



74.1563, 0.2970, 0.5323



18.1027, 0.3233, 0.3199



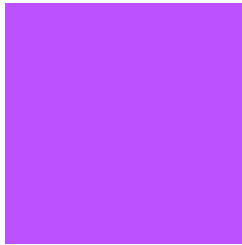
11.5974, 0.5446, 0.2774



1.1498, 0.5140, 0.2605

Previews

White Background



This preview shows how the Yxy color 23.7962, 0.2568, 0.1464 looks on a white background.

Color Contrast Check

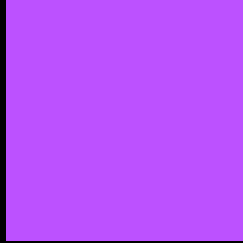
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7962, 0.2568, 0.1464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

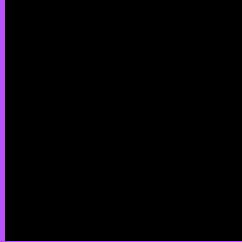
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7962, 0.2568, 0.1464

Background



This preview shows how black text looks on a background with the Yxy color 23.7962, 0.2568, 0.1464.

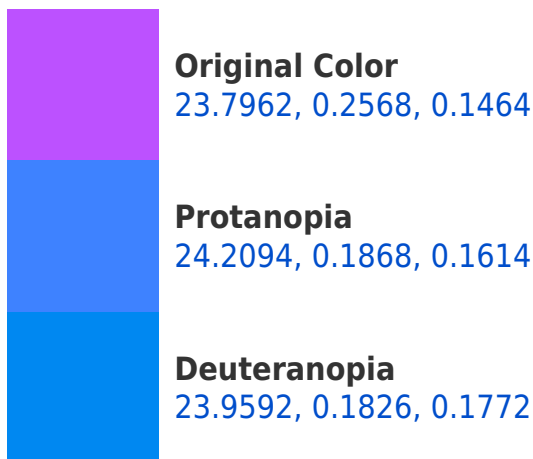


This preview shows how white text looks on a background with the Yxy color 23.7962, 0.2568, 0.1464.

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





Tritanopia

23.5019, 0.3595, 0.3153

Trichromacy



Original Color

23.7962, 0.2568, 0.1464



Protanomaly

21.9965, 0.2011, 0.1473



Deuteranomaly

20.3735, 0.1865, 0.1504



Tritanomaly

22.5172, 0.3172, 0.2336

Monochromacy



Original Color

23.7962, 0.2568, 0.1464



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

21.9813, 0.2898, 0.2351

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7962, 0.2568, 0.1464 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(188, 81, 255)` looks like.

```
.text, #text, p{  
    color:rgb(188, 81, 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(188, 81, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 81, 255) }
```

Border

The CSS property to change the border of an element to Yxy 23.7962, 0.2568, 0.1464 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(188, 81, 255) }
```

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

```
.border{ border-color:rgb(188, 81, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 81, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 81, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 81, 255);  
box-shadow:4px 4px 4px 4px rgb(188, 81,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7962, 0.2568, 0.1464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 81, 255) }
```

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

```
.background{ background-color: rgb(188, 81,  
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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