

Converting Colors

$Y_{xy}(24.7183, 0.2496, 0.1542)$

Have a look what the booklet for
Yxy(24.7183, 0.2496, 0.1542)
contains.

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Color

Yxy(24.6234, 0.2495, 0.1537)

Conversions

Conversions Part 1

Format	Color
Hex	B15FFD
RGB	177, 95, 253
RGB Percent	69%, 37%, 99%
CMY	0.3056, 0.6277, 0.0077
CMYK	0.30, 0.62, 0.00, 0.01
HSL	271°, 98%, 68%
HSV	271°, 62%, 99%
XYZ	39.9710, 24.6234, 95.6099
YIQ	137.5300, -1.8460, 66.5220

Conversions

Conversions Part 2

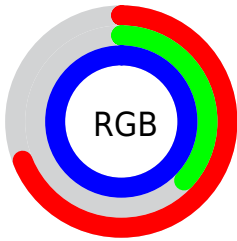
Format	Color
RYB	177, 95, 253
Decimal	11624445
CIELab	56.71, 61.21, -66.16
CIElCh	57, 90.136, 312.775
Yxy	24.6234, 0.2495, 0.1537
Android (android.graphics.Color)	4289814525 (0xFFB15FFD)
YUV	137.5300, 56.9267, 34.6152
Hunter-Lab	49.6220, 56.9450, -79.5026

Details

The Yxy color **24.6234, 0.2495, 0.1537** 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 **79.7503, 0.3436, 0.5077**, and the grayscale version is **25.0048, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.5478, 0.3016, 0.2215**, and **9.3797, 0.2275, 0.1171** is the 20% darker color. If you saturate the color by 10%, you get **19.4200, 0.2365, 0.1298**, and if you desaturate by 10%, it is **31.4353, 0.2623, 0.1811**.

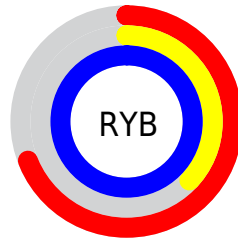
Distribution



Red (69%)

Green (37%)

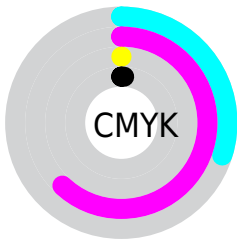
Blue (99%)



Red (69%)

Yellow (37%)

Blue (99%)

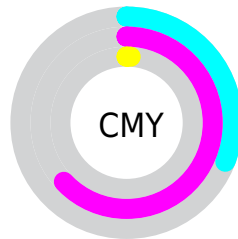


Cyan (30%)

Magenta (62%)

Yellow (0%)

Black (1%)



Cyan (31%)


Magenta (63%)


Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.6234, 0.2495, 0.1537 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 24.6234, 0.2495, 0.1537 by changing the saturation by 10% instead.


 24.6234, 0.2495,
0.1537


 24.6234, 0.2495,
0.1537


275.9572, 0.2857,
0.2338


 15.7967, 0.2397,
0.1367


 51.0456, 0.2633,
0.1807


 9.3804, 0.2271,
0.1168


 69.4099, 0.2683,
0.1914

 4.9901, 0.2102,
0.0935


 91.7222, 0.2725,
0.2008

 2.2415, 0.1872,
0.0668

 118.3668, 0.2760,
0.2091

 0.7425, 0.1554,
0.0377

149.7283, 0.2790,
0.2163

 0.0000, 0.1132,
0.0000

186.1909, 0.2815,


 0.0000, 0.0194,

0.2228


0.0000


228.1391, 0.2837,
0.2286

 0.0000, 0.0000,
0.0000

 24.6234, 0.2495,
0.1537


 24.6234, 0.2495,
0.1537


 19.4200, 0.2365,
0.1298


 31.4353, 0.2623,
0.1811


 15.6696, 0.2240,
0.1106


 39.9856, 0.2743,
0.2104

 13.1890, 0.2123,
0.0969

 50.3937, 0.2854,
0.2402

 11.9565, 0.2043,
0.0899

 62.7674, 0.2952,
0.2694

 77.2060, 0.3038,
0.2971

93.8021, 0.3111,
0.3229

99.8746, 0.3138,
0.3309

Harmonies

Analogous

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



24.6234, 0.1524, 0.1332



24.6234, 0.2495, 0.1537



24.6234, 0.4008, 0.2036

Triad

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



24.6234, 0.2495, 0.1537



24.6234, 0.5404, 0.4449



24.6234, 0.1161, 0.3280

Complementary

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



24.6234, 0.2495, 0.1537



79.7503, 0.3436, 0.5077

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.



24.6234, 0.1915, 0.5281



24.6234, 0.2495, 0.1537



24.6234, 0.4315, 0.5530

Square

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



24.6234, 0.2495, 0.1537



24.6234, 0.5957, 0.3528



24.6234, 0.3076, 0.6212



24.6234, 0.0923, 0.1978

Rectangle

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



24.6234, 0.2495, 0.1537



24.6234, 0.5060, 0.2496



24.6234, 0.3076, 0.6212



24.6234, 0.1349, 0.3921

Sweetspot

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



24.6243, 0.2495, 0.1537



68.7369, 0.2983, 0.2792



38.7850, 0.2127, 0.2224



13.8515, 0.2958, 0.2711



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.



24.6243, 0.2495, 0.1537



18.6564, 0.2333, 0.1244



35.9921, 0.3219, 0.1871



17.8419, 0.3061, 0.3050



6.4454, 0.2059, 0.0908



0.6926, 0.2180, 0.0975

Inverse Universe

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



32.0011, 0.4127, 0.2542



27.2869, 0.4445, 0.2474



73.5812, 0.3023, 0.5292



18.1325, 0.3218, 0.3176



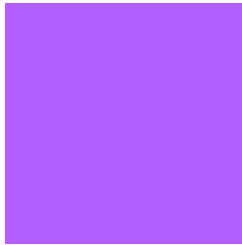
11.8797, 0.5047, 0.2554



1.1786, 0.4782, 0.2408

Previews

White Background



This preview shows how the Yxy color 24.6234, 0.2495, 0.1537 looks on a white background.

Color Contrast Check

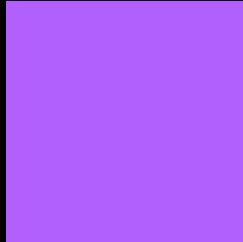
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6234, 0.2495, 0.1537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

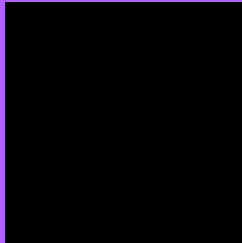
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.6234, 0.2495, 0.1537

Background



This preview shows how black text looks on a background with the Yxy color 24.6234, 0.2495, 0.1537.



This preview shows how white text looks on a background with the Yxy color 24.6234, 0.2495, 0.1537.

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

24.6234, 0.2495, 0.1537

Protanopia

24.9877, 0.1896, 0.1648

Deuteranopia

24.9028, 0.1846, 0.1782



Tritanopia

24.3412, 0.3347, 0.3132

Trichromacy



Original Color

24.6234, 0.2495, 0.1537



Protanomaly

23.5376, 0.2032, 0.1560



Deuteranomaly

22.3399, 0.1929, 0.1593



Tritanomaly

23.6786, 0.2990, 0.2376

Monochromacy



Original Color

24.6234, 0.2495, 0.1537



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

23.8898, 0.2862, 0.2429

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6234, 0.2495, 0.1537 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(177, 95, 253)` looks like.

```
.text, #text, p{  
    color:rgb(177, 95, 253)  
}
```

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(177, 95, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 95, 253) }
```

Border

The CSS property to change the border of an element to Yxy 24.6234, 0.2495, 0.1537 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(177, 95, 253) }
```

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

```
.border{ border-color:rgb(177, 95, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 95, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 95, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 95, 253);  
box-shadow:4px 4px 4px 4px rgb(177, 95,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 24.6234, 0.2495, 0.1537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 95, 253) }
```

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

```
.background{ background-color: rgb(177, 95,  
253) }
```

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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