

Converting Colors

$Y_{xy}(24.6135, 0.2451, 0.1557)$

Have a look what the booklet for
Yxy(24.6135, 0.2451, 0.1557)
contains.

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Color

Yxy(24.6099, 0.2454, 0.1555)

Conversions

Conversions Part 1

Format	Color
Hex	AB63FC
RGB	171, 99, 252
RGB Percent	67%, 39%, 99%
CMY	0.3292, 0.6119, 0.0117
CMYK	0.32, 0.61, 0.00, 0.01
HSL	268°, 96%, 69%
HSV	268°, 61%, 99%
XYZ	38.8377, 24.6099, 94.8154
YIQ	137.9700, -6.2010, 62.8470

Conversions

Conversions Part 2

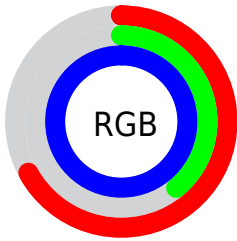
Format	Color
R_{YB}	171, 99, 252
Decimal	11232252
CIE _{Lab}	56.69, 57.70, -65.65
CIE _{LCh}	57, 87.403, 311.309
Yxy	24.6099, 0.2454, 0.1555
Android (android.graphics.Color)	4289422332 (0xFFAB63FC)
YUV	137.9700, 56.2168, 28.9673
Hunter-Lab	49.6084, 52.9307, -78.5938

Details

The Yxy color **24.6099, 0.2454, 0.1555** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **80.2293, 0.3483, 0.5001**, and the grayscale version is **25.1864, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.8255, 0.2966, 0.2238**, and **9.3597, 0.2224, 0.1188** is the 20% darker color. If you saturate the color by 10%, you get **19.1366, 0.2313, 0.1300**, and if you desaturate by 10%, it is **31.7251, 0.2593, 0.1842**.

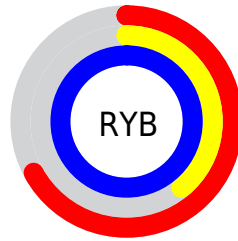
Distribution



Red (67%)

Green (39%)

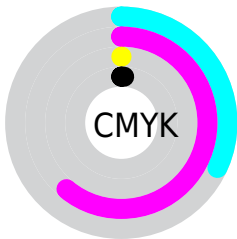
Blue (99%)



Red (67%)

Yellow (39%)

Blue (99%)

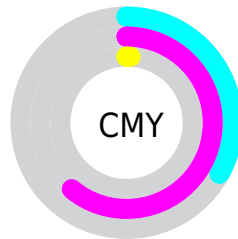


Cyan (32%)

Magenta (61%)

Yellow (0%)

Black (1%)



Cyan (33%)


Magenta (61%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.6099, 0.2454, 0.1555 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 24.6099, 0.2454, 0.1555 by changing the saturation by 10% instead.


 24.6099, 0.2454,
0.1555


 24.6099, 0.2454,
0.1555


275.8896, 0.2834,
0.2352


 15.7867, 0.2352,
0.1385


 51.0237, 0.2599,
0.1824


 9.3733, 0.2221,
0.1185


 69.3830, 0.2651,
0.1931

 4.9855, 0.2046,
0.0950


 91.6897, 0.2695,
0.2025

 2.2387, 0.1810,
0.0680

 118.3284, 0.2732,
0.2107

 0.7410, 0.1485,
0.0385

149.6833, 0.2763,
0.2179

 0.0000, 0.1058,
0.0000

186.1389, 0.2790,

 0.0000, 0.0018,

0.2243

0.0000

228.0795, 0.2814,
0.2301

0.0000, 0.0000,
0.0000

24.6099, 0.2454,
0.1555

24.6099, 0.2454,
0.1555

19.1366, 0.2313,
0.1300

31.7251, 0.2593,
0.1842

15.1542, 0.2177,
0.1092

40.6093, 0.2724,
0.2144

12.4866, 0.2052,
0.0940

51.3795, 0.2843,
0.2447

10.9303, 0.1949,
0.0848

64.1421, 0.2950,
0.2741

78.9950, 0.3042,
0.3017

96.0296, 0.3122,
0.3272

99.8096, 0.3144,
0.3318

Harmonies

Analogous

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



24.6099, 0.1525, 0.1367



24.6099, 0.2454, 0.1555



24.6099, 0.3908, 0.2035

Triad

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



24.6099, 0.2454, 0.1555



24.6099, 0.5410, 0.4403



24.6099, 0.1230, 0.3374

Complementary

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



24.6099, 0.2454, 0.1555



80.2293, 0.3483, 0.5001

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.



24.6099, 0.2005, 0.5295



24.6099, 0.2454, 0.1555



24.6099, 0.4370, 0.5443

Square

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



24.6099, 0.2454, 0.1555



24.6099, 0.5895, 0.3505



24.6099, 0.3159, 0.6121



24.6099, 0.0966, 0.2057

Rectangle

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



24.6099, 0.2454, 0.1555



24.6099, 0.4938, 0.2484



24.6099, 0.3159, 0.6121



24.6099, 0.1427, 0.4003

Sweetspot

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



24.6108, 0.2454, 0.1555



69.8121, 0.2976, 0.2818



42.5637, 0.2176, 0.2365



14.0429, 0.2948, 0.2735



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.



24.6108, 0.2454, 0.1555



18.5782, 0.2281, 0.1247



35.7062, 0.3146, 0.1861



17.0438, 0.3053, 0.3050



5.7788, 0.1967, 0.0857



0.5977, 0.2097, 0.0929

Inverse Universe

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



32.9091, 0.3989, 0.2484



28.2999, 0.4261, 0.2394



73.4811, 0.3056, 0.5249



17.3787, 0.3211, 0.3165



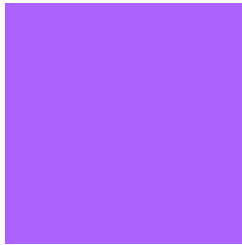
11.6972, 0.4839, 0.2440



1.1048, 0.4591, 0.2303

Previews

White Background



This preview shows how the Yxy color 24.6099, 0.2454, 0.1555 looks on a white background.

Color Contrast Check

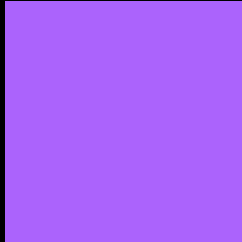
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6099, 0.2454, 0.1555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

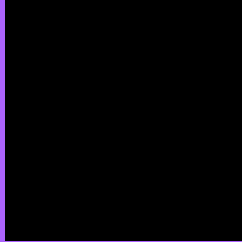
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.6099, 0.2454, 0.1555

Background



This preview shows how black text looks on a background with the Yxy color 24.6099, 0.2454, 0.1555.



This preview shows how white text looks on a background with the Yxy color 24.6099, 0.2454, 0.1555.

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

24.6099, 0.2454, 0.1555

Protanopia

24.9877, 0.1896, 0.1648

Deuteranopia

24.9282, 0.1848, 0.1783



Tritanopia

24.3724, 0.3240, 0.3112

Trichromacy



Original Color

24.6099, 0.2454, 0.1555



Protanomaly

23.6529, 0.2024, 0.1567



Deuteranomaly

22.7930, 0.1931, 0.1617



Tritanomaly

23.7989, 0.2915, 0.2389

Monochromacy



Original Color

24.6099, 0.2454, 0.1555



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

24.1540, 0.2852, 0.2467

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6099, 0.2454, 0.1555 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(171, 99, 252)` looks like.

```
.text, #text, p{  
    color:rgb(171, 99, 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(171, 99, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 99, 252) }
```

Border

The CSS property to change the border of an element to Yxy 24.6099, 0.2454, 0.1555 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(171, 99, 252) }
```

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

```
.border{ border-color:rgb(171, 99, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 99, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 99, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 99, 252);  
box-shadow:4px 4px 4px 4px rgb(171, 99,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 24.6099, 0.2454, 0.1555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 99, 252) }
```

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

```
.background{ background-color: rgb(171, 99,  
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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