

Converting Colors

$Y_{xy}(24.5504, 0.2460, 0.1520)$

Have a look what the booklet for
Yxy(24.5504, 0.2460, 0.1520)
contains.

Yxy(24.5844, 0.2457, 0.1522)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(24.5844, 0.2457, 0.1522)

Conversions

Conversions Part 1

Format	Color
Hex	AE60FF
RGB	174, 96, 255
RGB Percent	68%, 38%, 100%
CMY	0.3176, 0.6235, 0.0000
CMYK	0.32, 0.62, 0.00, 0.00
HSL	269°, 100%, 69%
HSV	269°, 62%, 100%
XYZ	39.6872, 24.5844, 97.2554
YIQ	137.4480, -4.5510, 65.9850

Conversions

Conversions Part 2

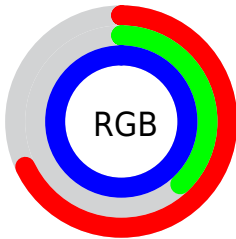
Format	Color
RYB	174, 96, 255
Decimal	11428095
CIELab	56.67, 60.49, -67.32
CIElCh	57, 90.505, 311.941
Yxy	24.5844, 0.2457, 0.1522
Android (android.graphics.Color)	4289618175 (0xFFAE60FF)
YUV	137.4480, 57.9531, 32.0561
Hunter-Lab	49.5827, 56.1061, -81.5883

Details

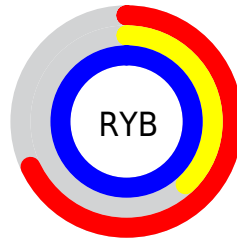
The Yxy color **24.5844, 0.2457, 0.1522** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **81.7074, 0.3465, 0.5056**, and the grayscale version is **24.9734, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.3563, 0.2991, 0.2216**, and **9.4002, 0.2230, 0.1158** is the 20% darker color. If you saturate the color by 10%, you get **19.2418, 0.2321, 0.1277**, and if you desaturate by 10%, it is **31.5812, 0.2592, 0.1801**.

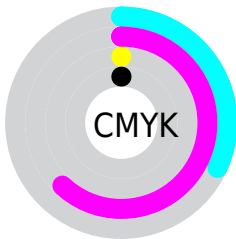
Distribution



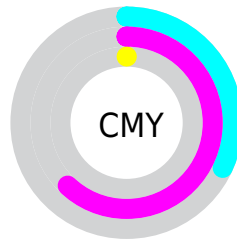
- Red (68%)
- Green (38%)
- Blue (100%)



- Red (68%)
- Yellow (38%)
- Blue (100%)



- Cyan (32%)
- Magenta (62%)
- Yellow (0%)
- Black (0%)




- Cyan (32%)
- Magenta (62%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.5844, 0.2457, 0.1522 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 24.5844, 0.2457, 0.1522 by changing the saturation by 10% instead.


 24.5844, 0.2457,
0.1522


 24.5844, 0.2457,
0.1522


275.7618, 0.2837,
0.2329


 15.7677, 0.2356,
0.1352


 50.9822, 0.2601,
0.1793

 9.3599, 0.2224,
0.1152


 69.3321, 0.2654,
0.1901

 4.9767, 0.2050,
0.0919


 91.6285, 0.2698,
0.1996

 2.2336, 0.1816,
0.0654

 118.2557, 0.2735,
0.2079

 0.7382, 0.1494,
0.0366

149.5983, 0.2766,
0.2152

 0.0000, 0.1073,
0.0000

186.0406, 0.2793,

 0.0000, 0.0144,


0.2218


0.0000


227.9670, 0.2816,
0.2276


 0.0000, 0.0000,
0.0000


 24.5844, 0.2457,
0.1522

 24.5844, 0.2457,
0.1522


 19.2418, 0.2321,
0.1277


 31.5812, 0.2592,
0.1801


 15.3948, 0.2189,
0.1080


 40.3653, 0.2720,
0.2099

 12.8562, 0.2069,
0.0940

 51.0588, 0.2837,
0.2401

 11.5866, 0.1986,
0.0868

 63.7719, 0.2941,
0.2695

 78.6063, 0.3032,
0.2974

95.6568, 0.3111,
0.3233

99.9996, 0.3127,
0.3290

Harmonies

Analogous

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



24.5844, 0.1500, 0.1325



24.5844, 0.2457, 0.1522



24.5844, 0.3965, 0.2014

Triad

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



24.5844, 0.2457, 0.1522



24.5844, 0.5434, 0.4420



24.5844, 0.1168, 0.3328

Complementary

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



24.5844, 0.2457, 0.1522



81.7074, 0.3465, 0.5056

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.



24.5844, 0.1938, 0.5343



24.5844, 0.2457, 0.1522



24.5844, 0.4350, 0.5507

Square

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



24.5844, 0.2457, 0.1522



24.5844, 0.5970, 0.3502



24.5844, 0.3107, 0.6222



24.5844, 0.0918, 0.1996

Rectangle

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



24.5844, 0.2457, 0.1522



24.5844, 0.5029, 0.2472



24.5844, 0.3107, 0.6222



24.5844, 0.1361, 0.3980

Sweetspot

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



24.5853, 0.2457, 0.1522



68.5036, 0.2973, 0.2791



41.6071, 0.2145, 0.2299



13.7952, 0.2946, 0.2709



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.



24.5853, 0.2457, 0.1522



18.0845, 0.2285, 0.1220



36.3461, 0.3170, 0.1843



17.8152, 0.3056, 0.3050



6.1429, 0.2003, 0.0877



0.6629, 0.2126, 0.0945

Inverse Universe

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



32.7999, 0.4065, 0.2499



27.4781, 0.4363, 0.2421



74.9939, 0.3043, 0.5309



18.1415, 0.3214, 0.3170



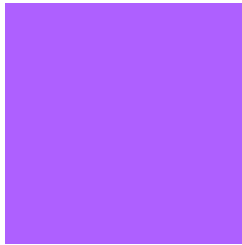
11.9799, 0.4924, 0.2486



1.1885, 0.4675, 0.2349

Previews

White Background



This preview shows how the Yxy color 24.5844, 0.2457, 0.1522 looks on a white background.

Color Contrast Check

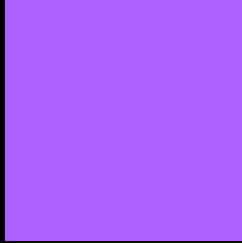
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.5844, 0.2457, 0.1522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

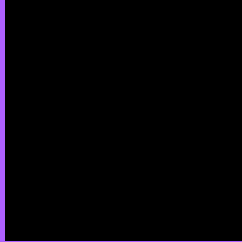
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.5844, 0.2457, 0.1522

Background



This preview shows how black text looks on a background with the Yxy color 24.5844, 0.2457, 0.1522.



This preview shows how white text looks on a background with the Yxy color 24.5844, 0.2457, 0.1522.

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

24.5844, 0.2457, 0.1522

Protanopia

24.9515, 0.1893, 0.1646

Deuteranopia

24.7695, 0.1824, 0.1767



Tritanopia

24.5341, 0.3274, 0.3130

Trichromacy



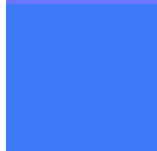
Original Color

24.5844, 0.2457, 0.1522



Protanomaly

23.5395, 0.2023, 0.1551



Deuteranomaly

22.0622, 0.1863, 0.1567



Tritanomaly

23.8078, 0.2926, 0.2368

Monochromacy



Original Color

24.5844, 0.2457, 0.1522



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

23.6984, 0.2841, 0.2424

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5844, 0.2457, 0.1522 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(174, 96, 255)` looks like.

```
.text, #text, p{  
    color:rgb(174, 96, 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(174, 96, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 96, 255) }
```

Border

The CSS property to change the border of an element to Yxy 24.5844, 0.2457, 0.1522 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(174, 96, 255) }
```

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

```
.border{ border-color:rgb(174, 96, 255) }
```

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

Here you see how a box with a 4 pixel rgb(174, 96, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 96, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 96, 255);  
box-shadow:4px 4px 4px 4px rgb(174, 96,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 24.5844, 0.2457, 0.1522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 96, 255) }
```

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

```
.background{ background-color: rgb(174, 96,  
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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