

Converting Colors

$Y_{xy}(24.8033, 0.2324, 0.1557)$

Have a look what the booklet for
Yxy(24.8033, 0.2324, 0.1557)
contains.

Yxy(24.8033, 0.2324, 0.1557)	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(24.8033, 0.2324, 0.1557)

Conversions

Conversions Part 1

Format	Color
Hex	9C6BFF
RGB	156, 107, 255
RGB Percent	61%, 42%, 100%
CMY	0.3883, 0.5804, 0.0000
CMYK	0.39, 0.58, 0.00, 0.00
HSL	260°, 100%, 71%
HSV	260°, 58%, 100%
XYZ	37.0218, 24.8033, 97.4768
YIQ	138.5230, -18.3040, 56.4160

Conversions

Conversions Part 2

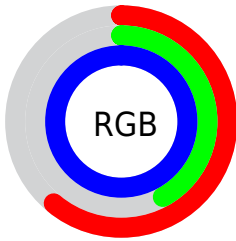
Format	Color
R _Y B	156, 107, 255
Decimal	10251263
CIE Lab	56.88, 51.00, -67.10
CIE LCh	57, 84.280, 307.240
Yxy	24.8033, 0.2324, 0.1557
Android (android.graphics.Color)	4288441343 (0xFF9C6BFF)
YUV	138.5230, 57.4232, 15.3273
Hunter-Lab	49.8029, 45.5356, -81.1834

Details

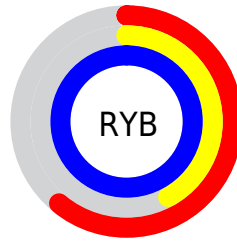
The Yxy color **24.8033, 0.2324, 0.1557** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **85.7030, 0.3615, 0.4851**, and the grayscale version is **25.4052, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.8087, 0.2847, 0.2272**, and **9.4989, 0.2065, 0.1191** is the 20% darker color. If you saturate the color by 10%, you get **18.6622, 0.2156, 0.1271**, and if you desaturate by 10%, it is **32.7471, 0.2492, 0.1871**.

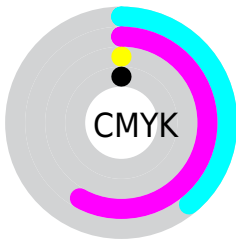
Distribution



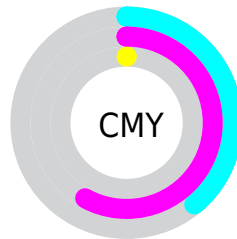
- Red (61%)
- Green (42%)
- Blue (100%)



- Red (61%)
- Yellow (42%)
- Blue (100%)



- Cyan (39%)
- Magenta (58%)
- Yellow (0%)
- Black (0%)





- Cyan (39%)
- Magenta (58%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8033, 0.2324, 0.1557 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 24.8033, 0.2324, 0.1557 by changing the saturation by 10% instead.


 24.8033, 0.2324,
0.1557


 24.8033, 0.2324,
0.1557


276.8569, 0.2764,
0.2356


 15.9306, 0.2210,
0.1386


 51.3379, 0.2489,
0.1827


 9.4750, 0.2064,
0.1185


 69.7686, 0.2549,
0.1935

 5.0523, 0.1875,
0.0950


 92.1541, 0.2600,
0.2029

 2.2780, 0.1623,
0.0679

 118.8788, 0.2643,
0.2111

 0.7620, 0.1288,
0.0385

150.3270, 0.2680,
0.2183

 0.0000, 0.0866,
0.0000

186.8831, 0.2712,

 0.0000, 0.0000,

0.2247

0.0000

228.9317, 0.2740,
0.2305

■ 24.8033, 0.2324,
0.1557

■ 24.8033, 0.2324,
0.1557

■ 18.6622, 0.2156,
0.1271

■ 32.7471, 0.2492,
0.1871

■ 14.1766, 0.1997,
0.1031

■ 42.6330, 0.2653,
0.2194

■ 11.1663, 0.1858,
0.0853

■ 54.5807, 0.2800,
0.2511

■ 9.3917, 0.1744,
0.0741

■ 68.7013, 0.2931,
0.2810

■ 9.1245, 0.1724,
0.0724

■ 85.0979, 0.3046,
0.3087

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.



24.8033, 0.1483, 0.1413



24.8033, 0.2324, 0.1557



24.8033, 0.3675, 0.1992

Triad

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



24.8033, 0.2324, 0.1557



24.8033, 0.5465, 0.4276



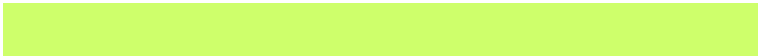
24.8033, 0.1359, 0.3617

Complementary

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



24.8033, 0.2324, 0.1557



85.7030, 0.3615, 0.4851

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.



24.8033, 0.2193, 0.5413



24.8033, 0.2324, 0.1557



24.8033, 0.4517, 0.5268

Square

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



24.8033, 0.2324, 0.1557



24.8033, 0.5804, 0.3416



24.8033, 0.3347, 0.5992



24.8033, 0.1030, 0.2228

Rectangle

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



24.8033, 0.2324, 0.1557



24.8033, 0.4685, 0.2418



24.8033, 0.3347, 0.5992



24.8033, 0.1580, 0.4238

Sweetspot

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



24.8016, 0.2324, 0.1557



70.3013, 0.2944, 0.2840



55.5213, 0.2277, 0.2707



14.3916, 0.2919, 0.2782



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.



24.8016, 0.2324, 0.1557



17.6587, 0.2124, 0.1219



34.2061, 0.2943, 0.1822



17.6698, 0.3031, 0.3048



4.8399, 0.1740, 0.0732



0.5279, 0.1861, 0.0799

Inverse Universe

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



36.2303, 0.3690, 0.2319



30.4791, 0.3857, 0.2185



77.6603, 0.3170, 0.5100



18.1921, 0.3189, 0.3132



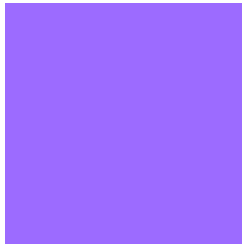
12.6655, 0.4268, 0.2125



1.2534, 0.4116, 0.2041

Previews

White Background



This preview shows how the Yxy color 24.8033, 0.2324, 0.1557 looks on a white background.

Color Contrast Check

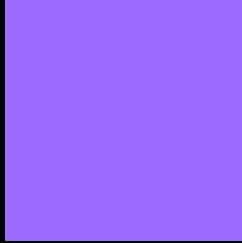
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8033, 0.2324, 0.1557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

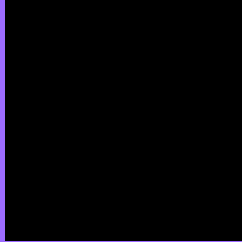
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.8033, 0.2324, 0.1557

Background



This preview shows how black text looks on a background with the Yxy color 24.8033, 0.2324, 0.1557.



This preview shows how white text looks on a background with the Yxy color 24.8033, 0.2324, 0.1557.

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

24.8033, 0.2324, 0.1557

Protanopia

25.0246, 0.1899, 0.1649

Deuteranopia

25.1191, 0.1826, 0.1773



Tritanopia

24.6204, 0.2974, 0.3104

Trichromacy



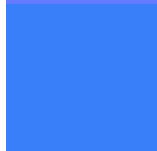
Original Color

24.8033, 0.2324, 0.1557



Protanomaly

24.1526, 0.2002, 0.1586



Deuteranomaly

22.8882, 0.1859, 0.1613



Tritanomaly

23.8751, 0.2700, 0.2371

Monochromacy



Original Color

24.8033, 0.2324, 0.1557



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

24.5347, 0.2785, 0.2475

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8033, 0.2324, 0.1557 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(156, 107, 255)` looks like.

```
.text, #text, p{  
    color:rgb(156, 107, 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(156, 107, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 107, 255) }
```

Border

The CSS property to change the border of an element to Yxy 24.8033, 0.2324, 0.1557 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(156, 107, 255) }
```

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

```
.border{ border-color:rgb(156, 107, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 107, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 107, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 107, 255);  
box-shadow:4px 4px 4px 4px rgb(156, 107,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8033, 0.2324, 0.1557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 107, 255) }
```

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

```
.background{ background-color: rgb(156,  
107, 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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