

Converting Colors

$Y_{xy}(32.0741, 0.2008, 0.1129)$

Have a look what the booklet for
Yxy(32.0741, 0.2008, 0.1129)
contains.

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Color

Yxy(24.6344, 0.2396, 0.1536)

Conversions

Conversions Part 1

Format	Color
Hex	A665FF
RGB	166, 101, 255
RGB Percent	65%, 40%, 100%
CMY	0.3490, 0.6039, 0.0001
CMYK	0.35, 0.60, 0.00, 0.00
HSL	265°, 100%, 70%
HSV	265°, 60%, 100%
XYZ	38.4271, 24.6344, 97.3187
YIQ	137.9910, -10.6940, 61.6740

Conversions

Conversions Part 2

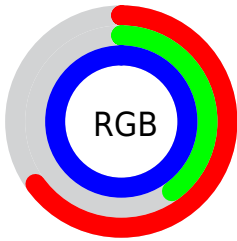
Format	Color
R _Y B	166, 101, 255
Decimal	10905087
CIE Lab	56.72, 56.28, -67.28
CIE LCh	57, 87.714, 309.913
Yxy	24.6344, 0.2396, 0.1536
Android (android.graphics.Color)	4289095167 (0xFFA665FF)
YUV	137.9910, 57.6854, 24.5639
Hunter-Lab	49.6331, 51.3411, -81.5106

Details

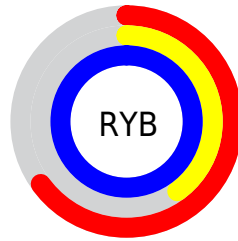
The Yxy color **24.6344, 0.2396, 0.1536** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **83.3907, 0.3532, 0.4964**, and the grayscale version is **25.1929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6702, 0.2926, 0.2245**, and **9.4160, 0.2157, 0.1170** is the 20% darker color. If you saturate the color by 10%, you get **18.9257, 0.2245, 0.1272**, and if you desaturate by 10%, it is **32.0625, 0.2546, 0.1832**.

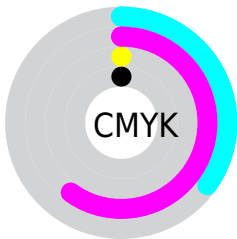
Distribution



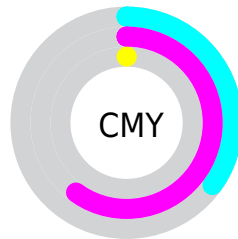
- Red (65%)
- Green (40%)
- Blue (100%)



- Red (65%)
- Yellow (40%)
- Blue (100%)



- Cyan (35%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (35%)
- Magenta (60%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 24.6344, 0.2396, 0.1536 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 24.6344, 0.2396, 0.1536 by changing the saturation by 10% instead.


 24.6344, 0.2396,
0.1536


 24.6344, 0.2396,
0.1536


 276.0123, 0.2804,
0.2340


 15.8049, 0.2289,
0.1365


 51.0635, 0.2550,
0.1807


 9.3862, 0.2151,
0.1165


 69.4319, 0.2606,
0.1915

 4.9939, 0.1969,
0.0931


 91.7486, 0.2653,
0.2009

 2.2437, 0.1726,
0.0663

 118.3982, 0.2693,
0.2092

 0.7437, 0.1398,
0.0373

 149.7649, 0.2727,
0.2165

 0.0000, 0.0974,
0.0000

 186.2333, 0.2756,

 0.0000, 0.0000,

0.2230

0.0000

228.1876, 0.2782,
0.2288

■ 24.6344, 0.2396,
0.1536

■ 24.6344, 0.2396,
0.1536

■ 18.9257, 0.2245,
0.1272

■ 32.0625, 0.2546,
0.1832

■ 14.7803, 0.2101,
0.1055

■ 41.3418, 0.2688,
0.2141

■ 12.0166, 0.1970,
0.0897

■ 52.5938, 0.2819,
0.2450

■ 10.3841, 0.1862,
0.0799

■ 65.9287, 0.2935,
0.2747

■ 81.4483, 0.3037,
0.3026

99.2477, 0.3124,
0.3281

99.9986, 0.3127,
0.3290

Harmonies

Analogous

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



24.6344, 0.1491, 0.1362



24.6344, 0.2396, 0.1536



24.6344, 0.3835, 0.2003

Triad

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



24.6344, 0.2396, 0.1536



24.6344, 0.5453, 0.4356



24.6344, 0.1249, 0.3457

Complementary

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



24.6344, 0.2396, 0.1536



83.3907, 0.3532, 0.4964

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.



24.6344, 0.2049, 0.5382



24.6344, 0.2396, 0.1536



24.6344, 0.4426, 0.5400

Square

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



24.6344, 0.2396, 0.1536



24.6344, 0.5903, 0.3466



24.6344, 0.3214, 0.6123



24.6344, 0.0965, 0.2095

Rectangle

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



24.6344, 0.2396, 0.1536



24.6344, 0.4878, 0.2448



24.6344, 0.3214, 0.6123



24.6344, 0.1455, 0.4098

Sweetspot

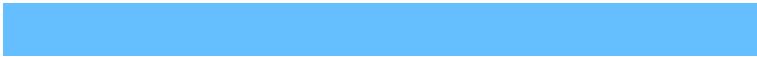
The Sweet Spot groups the original color and five complimentary colors.



24.6353, 0.2396, 0.1536



69.4420, 0.2961, 0.2816



47.1708, 0.2203, 0.2474



13.9530, 0.2929, 0.2732



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.



24.6353, 0.2396, 0.1536



18.1582, 0.2221, 0.1233



35.4310, 0.3075, 0.1835



17.7524, 0.3045, 0.3049



5.5103, 0.1879, 0.0809



0.5991, 0.2005, 0.0878

Inverse Universe

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



34.2818, 0.3889, 0.2416



29.0116, 0.4112, 0.2316



76.0127, 0.3091, 0.5219



18.1631, 0.3203, 0.3154



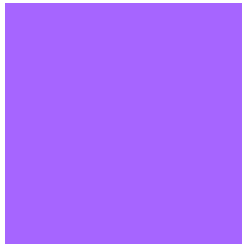
12.2458, 0.4636, 0.2327



1.2142, 0.4428, 0.2213

Previews

White Background



This preview shows how the Yxy color 24.6344, 0.2396, 0.1536 looks on a white background.

Color Contrast Check

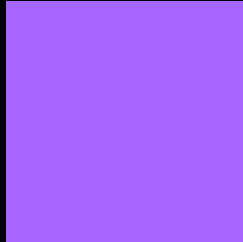
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6344, 0.2396, 0.1536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

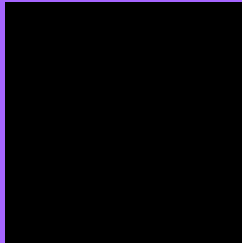
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.6344, 0.2396, 0.1536

Background



This preview shows how black text looks on a background with the Yxy color 24.6344, 0.2396, 0.1536.



This preview shows how white text looks on a background with the Yxy color 24.6344, 0.2396, 0.1536.

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

24.6344, 0.2396, 0.1536

Protanopia

24.9877, 0.1896, 0.1648

Deuteranopia

24.7695, 0.1824, 0.1767



Tritanopia

24.5979, 0.3135, 0.3125

Trichromacy



Original Color

24.6344, 0.2396, 0.1536



Protanomaly

23.8378, 0.2013, 0.1568



Deuteranomaly

22.4674, 0.1861, 0.1590



Tritanomaly

23.7147, 0.2814, 0.2362

Monochromacy



Original Color

24.6344, 0.2396, 0.1536



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

24.2993, 0.2813, 0.2451

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6344, 0.2396, 0.1536 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(166, 101, 255)` looks like.

```
.text, #text, p{  
    color:rgb(166, 101, 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(166, 101, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 101, 255) }
```

Border

The CSS property to change the border of an element to Yxy 24.6344, 0.2396, 0.1536 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(166, 101, 255) }
```

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

```
.border{ border-color:rgb(166, 101, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 101, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 101, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 101, 255);  
box-shadow:4px 4px 4px 4px rgb(166, 101,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 24.6344, 0.2396, 0.1536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 101, 255) }
```

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

```
.background{ background-color: rgb(166,  
101, 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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