

Converting Colors

$Y_{xy}(29.0161, 0.2207, 0.1412)$

Have a look what the booklet for
Yxy(29.0161, 0.2207, 0.1412)
contains.

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Color

Yxy(26.4814, 0.2393, 0.1623)

Conversions

Conversions Part 1

Format	Color
Hex	A46FFF
RGB	164, 111, 255
RGB Percent	64%, 44%, 100%
CMY	0.3567, 0.5647, 0.0001
CMYK	0.36, 0.56, 0.00, 0.00
HSL	262°, 100%, 72%
HSV	262°, 56%, 100%
XYZ	39.0450, 26.4814, 97.6369
YIQ	143.2630, -14.6360, 56.0200

Conversions

Conversions Part 2

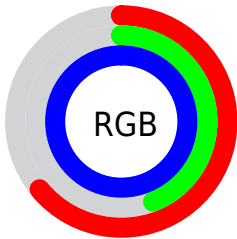
Format	Color
RYB	164, 111, 255
Decimal	10776575
CIELab	58.49, 50.61, -64.43
CIELCh	58, 81.927, 308.148
Yxy	26.4814, 0.2393, 0.1623
Android (android.graphics.Color)	4288966655 (0xFFA46FFF)
YUV	143.2630, 55.0863, 18.1863
Hunter-Lab	51.4601, 45.3805, -76.4708

Details

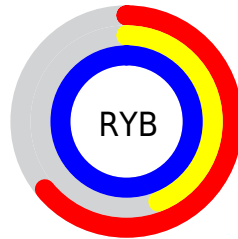
The Yxy color **26.4814, 0.2393, 0.1623** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **85.1972, 0.3571, 0.4832**, and the grayscale version is **27.3607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.4589, 0.2911, 0.2332**, and **10.3271, 0.2155, 0.1262** is the 20% darker color. If you saturate the color by 10%, you get **20.0833, 0.2231, 0.1336**, and if you desaturate by 10%, it is **34.6857, 0.2553, 0.1934**.

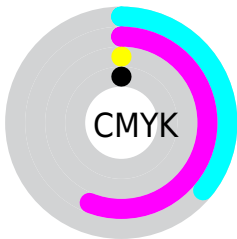
Distribution



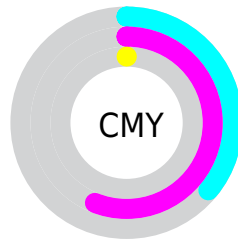
- Red (64%)
- Green (44%)
- Blue (100%)



- Red (64%)
- Yellow (44%)
- Blue (100%)



- Cyan (36%)
- Magenta (56%)
- Yellow (0%)
- Black (0%)




- Cyan (36%)
- Magenta (56%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.4814, 0.2393, 0.1623 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 26.4814, 0.2393, 0.1623 by changing the saturation by 10% instead.


 26.4814, 0.2393,
0.1623


 26.4814, 0.2393,
0.1623


285.1373, 0.2796,
0.2392


 17.1841, 0.2288,
0.1458


 54.0506, 0.2544,
0.1883

 10.3659, 0.2154,
0.1262


 73.0912, 0.2599,
0.1987

 5.6422, 0.1978,
0.1031


 96.1485, 0.2646,
0.2077

 2.6288, 0.1743,
0.0761

 123.6067, 0.2685,
0.2156

 0.9411, 0.1423,
0.0462

155.8503, 0.2719,
0.2225

 0.0000, 0.1015,
0.0000

193.2637, 0.2748,

 0.0000, 0.0047,

0.2287


0.0000

236.2312, 0.2773,
0.2342


 0.0000, 0.0000,
0.0000


 26.4814, 0.2393,
0.1623


 26.4814, 0.2393,
0.1623


 20.0833, 0.2231,
0.1336


 34.6857, 0.2553,
0.1934


 15.3414, 0.2075,
0.1092


 44.8240, 0.2703,
0.2252


 12.0851, 0.1933,
0.0906

 57.0150, 0.2840,
0.2563

 10.1011, 0.1814,
0.0784

 71.3673, 0.2961,
0.2857

 9.5938, 0.1777,
0.0753

 87.9815, 0.3067,
0.3128

99.9982, 0.3127,
0.3290

Harmonies

Analogous

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



26.4814, 0.1558, 0.1474



26.4814, 0.2393, 0.1623



26.4814, 0.3699, 0.2057

Triad

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



26.4814, 0.2393, 0.1623



26.4814, 0.5375, 0.4307



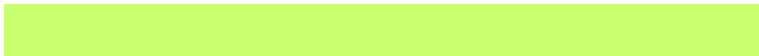
26.4814, 0.1413, 0.3561

Complementary

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



26.4814, 0.2393, 0.1623



85.1972, 0.3571, 0.4832

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.



26.4814, 0.2217, 0.5248



26.4814, 0.2393, 0.1623



26.4814, 0.4466, 0.5248

Square

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



26.4814, 0.2393, 0.1623



26.4814, 0.5698, 0.3463



26.4814, 0.3336, 0.5872



26.4814, 0.1095, 0.2255

Rectangle

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



26.4814, 0.2393, 0.1623



26.4814, 0.4655, 0.2477



26.4814, 0.3336, 0.5872



26.4814, 0.1627, 0.4139

Sweetspot

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



26.4823, 0.2393, 0.1623



70.5639, 0.2955, 0.2842



52.9235, 0.2276, 0.2632



14.4532, 0.2932, 0.2784



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.



26.4823, 0.2393, 0.1623



19.2575, 0.2206, 0.1295



36.3807, 0.3015, 0.1883



17.7035, 0.3037, 0.3048



5.0915, 0.1793, 0.0761



0.5552, 0.1917, 0.0830

Inverse Universe

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



36.8840, 0.3729, 0.2389



31.0015, 0.3911, 0.2260



77.4107, 0.3133, 0.5069



18.1802, 0.3195, 0.3141



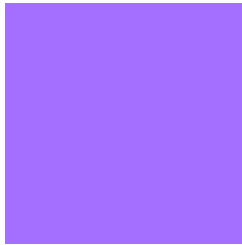
12.4844, 0.4416, 0.2206



1.2366, 0.4241, 0.2110

Previews

White Background



This preview shows how the Yxy color 26.4814, 0.2393, 0.1623 looks on a white background.

Color Contrast Check

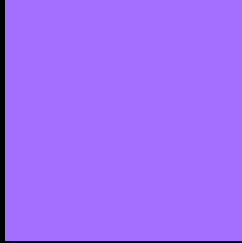
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.4814, 0.2393, 0.1623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

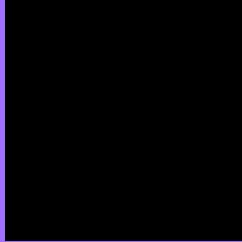
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.4814, 0.2393, 0.1623

Background



This preview shows how black text looks on a background with the Yxy color 26.4814, 0.2393, 0.1623.

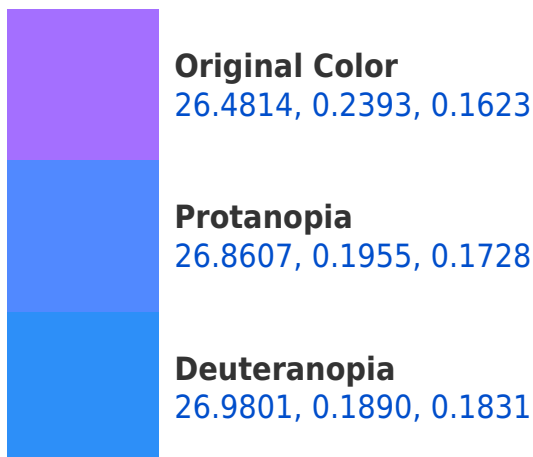


This preview shows how white text looks on a background with the Yxy color 26.4814, 0.2393, 0.1623.

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





Tritanopia

26.4180, 0.3050, 0.3112

Trichromacy



Original Color

26.4814, 0.2393, 0.1623



Protanomaly

26.0379, 0.2068, 0.1666



Deuteranomaly

25.2723, 0.1978, 0.1691



Tritanomaly

25.8154, 0.2775, 0.2428

Monochromacy



Original Color

26.4814, 0.2393, 0.1623



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

26.2726, 0.2821, 0.2510

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.4814, 0.2393, 0.1623 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(164, 111, 255)` looks like.

```
.text, #text, p{  
    color:rgb(164, 111, 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(164, 111, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 111, 255) }
```

Border

The CSS property to change the border of an element to Yxy 26.4814, 0.2393, 0.1623 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(164, 111, 255) }
```

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

```
.border{ border-color:rgb(164, 111, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 111, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 111, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 111, 255);  
box-shadow:4px 4px 4px 4px rgb(164, 111,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 26.4814, 0.2393, 0.1623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 111, 255) }
```

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

```
.background{ background-color: rgb(164,  
111, 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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