

Converting Colors

$Yxy(41.8996, 0.2397, 0.2010)$

Have a look what the booklet for
Yxy(41.8996, 0.2397, 0.2010)
contains.

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Color

Yxy(40.6864, 0.2495, 0.2171)

Conversions

Conversions Part 1

Format	Color
Hex	A8A0FF
RGB	168, 160, 255
RGB Percent	66%, 63%, 100%
CMY	0.3413, 0.3725, 0.0001
CMYK	0.34, 0.37, 0.00, 0.00
HSL	245°, 100%, 81%
HSV	245°, 37%, 100%
XYZ	46.7584, 40.6864, 99.9637
YIQ	173.2220, -25.7270, 31.2410

Conversions

Conversions Part 2

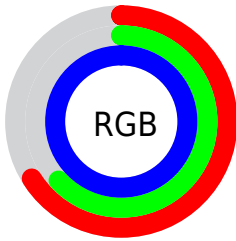
Format	Color
RYB	168, 160, 255
Decimal	11051263
CIELab	69.96, 24.21, -46.18
CIElCh	70, 52.144, 297.665
Yxy	40.6864, 0.2495, 0.2171
Android (android.graphics.Color)	4289241343 (0xFFA8A0FF)
YUV	173.2220, 40.3166, -4.5797
Hunter-Lab	63.7859, 19.2246, -48.2678

Details

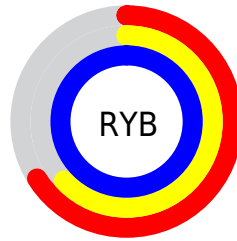
The Yxy color **40.6864, 0.2495, 0.2171** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **93.8117, 0.3634, 0.4237**, and the grayscale version is **41.7075, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.8284, 0.2938, 0.2875**, and **18.5252, 0.2321, 0.1913** is the 20% darker color. If you saturate the color by 10%, you get **30.3973, 0.2289, 0.1819**, and if you desaturate by 10%, it is **53.2517, 0.2690, 0.2510**.

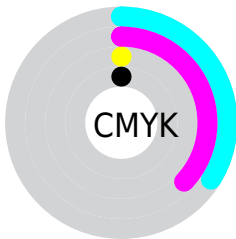
Distribution



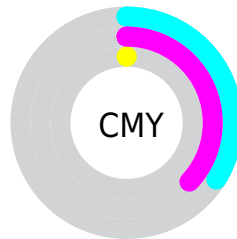
- Red (66%)
- Green (63%)
- Blue (100%)



- Red (66%)
- Yellow (63%)
- Blue (100%)



- Cyan (34%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)





- Cyan (34%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6864, 0.2495, 0.2171 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 40.6864, 0.2495, 0.2171 by changing the saturation by 10% instead.


 40.6864, 0.2495,
0.2171


 40.6864, 0.2495,
0.2171


349.0082, 0.2815,
0.2695

 28.0741, 0.2416,
0.2053


 76.2076, 0.2611,
0.2353

 18.3815, 0.2317,
0.1908


 99.8853, 0.2655,
0.2423

 11.2243, 0.2188,
0.1728


128.0203, 0.2692,
0.2484

 6.2179, 0.2017,
0.1501

160.9970, 0.2723,
0.2538

 2.9780, 0.1780,
0.1211

199.1997, 0.2751,
0.2584

 1.1203, 0.1444,
0.0844

243.0129, 0.2775,

 0.0000, 0.0972,

0.2626

0.0000

292.8209, 0.2796,
0.2662

0.0000, 0.0000,
0.0000

40.6864, 0.2495,
0.2171

40.6864, 0.2495,
0.2171

30.3973, 0.2289,
0.1819

53.2517, 0.2690,
0.2510

22.2436, 0.2083,
0.1474

68.2136, 0.2868,
0.2824

16.0760, 0.1891,
0.1160

85.6893, 0.3026,
0.3106

11.7239, 0.1727,
0.0903

99.9976, 0.3127,
0.3290

8.9878, 0.1606,
0.0724

■ 7.6144, 0.1533,
0.0628

■ 7.3807, 0.1520,
0.0611

Harmonies

Analogous

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



40.6864, 0.2021, 0.2163



40.6864, 0.2495, 0.2171



40.6864, 0.3202, 0.2405

Triad

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



40.6864, 0.2495, 0.2171



40.6864, 0.4617, 0.3907



40.6864, 0.2280, 0.3779

Complementary

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



40.6864, 0.2495, 0.2171



93.8117, 0.3634, 0.4237

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.



40.6864, 0.2912, 0.4479



40.6864, 0.2495, 0.2171



40.6864, 0.4271, 0.4417

Square

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



40.6864, 0.2495, 0.2171



40.6864, 0.4522, 0.3345



40.6864, 0.3641, 0.4692



40.6864, 0.1902, 0.2983

Rectangle

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



40.6864, 0.2495, 0.2171



40.6864, 0.3728, 0.2665



40.6864, 0.3641, 0.4692



40.6864, 0.2468, 0.4047

Sweetspot

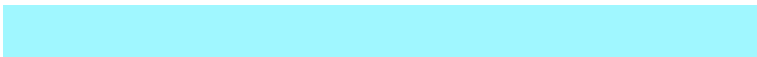
The Sweet Spot groups the original color and five complimentary colors.



40.6879, 0.2495, 0.2171



78.8378, 0.2968, 0.3004



81.2457, 0.2593, 0.3200



16.3632, 0.2947, 0.2966



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.



40.6879, 0.2495, 0.2171



32.5194, 0.2336, 0.1898



46.8749, 0.2850, 0.2274



17.4504, 0.2991, 0.3045



3.8828, 0.1526, 0.0614



0.4018, 0.1582, 0.0645

Inverse Universe

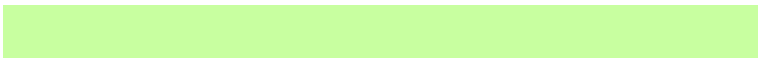
The Inverse Universe completely reimagines the original color for something new.



53.1184, 0.3234, 0.2434



46.7061, 0.3261, 0.2266



86.2562, 0.3315, 0.4345



18.2726, 0.3151, 0.3075



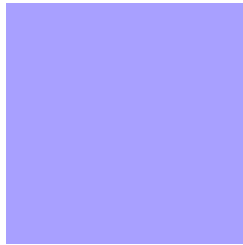
14.2136, 0.3432, 0.1664



1.3914, 0.3404, 0.1649

Previews

White Background



This preview shows how the Yxy color 40.6864, 0.2495, 0.2171 looks on a white background.

Color Contrast Check

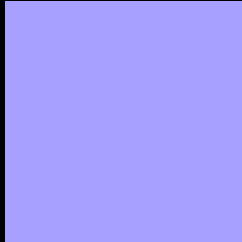
Large Text (above 18pt) WCAG AA × Fail

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 40.6864, 0.2495, 0.2171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

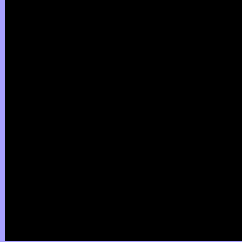
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.6864, 0.2495, 0.2171

Background



This preview shows how black text looks on a background with the Yxy color 40.6864, 0.2495, 0.2171.



This preview shows how white text looks on a background with the Yxy color 40.6864, 0.2495, 0.2171.

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

40.6864, 0.2495, 0.2171

Protanopia

40.8880, 0.2337, 0.2220

Deuteranopia

40.9922, 0.2317, 0.2256



Tritanopia

40.6752, 0.2841, 0.3094

Trichromacy



Original Color

40.6864, 0.2495, 0.2171

Protanomaly

40.7096, 0.2391, 0.2199

Deuteranomaly

40.6312, 0.2374, 0.2214

Tritanomaly

40.3985, 0.2704, 0.2720

Monochromacy



Original Color

40.6864, 0.2495, 0.2171

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

40.9750, 0.2872, 0.2830

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6864, 0.2495, 0.2171 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(168, 160, 255)` looks like.

```
.text, #text, p{  
    color:rgb(168, 160, 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(168, 160, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 160, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.6864, 0.2495, 0.2171 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(168, 160, 255) }
```

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

```
.border{ border-color:rgb(168, 160, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 160, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 160, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 160, 255);  
box-shadow:4px 4px 4px 4px rgb(168, 160,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6864, 0.2495, 0.2171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 160, 255) }
```

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

```
.background{ background-color: rgb(168,  
160, 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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