

Converting Colors

$Y_{xy}(41.9958, 0.2481, 0.2221)$

Have a look what the booklet for
Yxy(41.9958, 0.2481, 0.2221)
contains.

Yxy(42.1296, 0.2483, 0.2224)	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(42.1296, 0.2483, 0.2224)

Conversions

Conversions Part 1

Format	Color
Hex	A5A5FF
RGB	165, 165, 255
RGB Percent	65%, 65%, 100%
CMY	0.3526, 0.3530, 0.0000
CMYK	0.35, 0.35, 0.00, 0.00
HSL	240°, 100%, 82%
HSV	240°, 35%, 100%
XYZ	47.0359, 42.1296, 100.2662
YIQ	175.2600, -28.8900, 27.9900

Conversions

Conversions Part 2

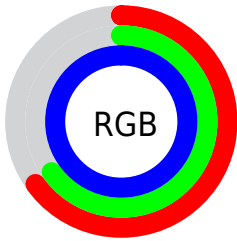
Format	Color
RYB	165, 165, 255
Decimal	10855935
CIELab	70.96, 20.66, -44.65
CIELCh	71, 49.196, 294.832
Yxy	42.1296, 0.2483, 0.2224
Android (android.graphics.Color)	4289046015 (0xFFA5A5FF)
YUV	175.2600, 39.3118, -8.9980
Hunter-Lab	64.9073, 15.7644, -46.1536

Details

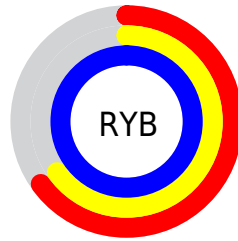
The Yxy color **42.1296, 0.2483, 0.2224** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **95.4749, 0.3660, 0.4172**, and the grayscale version is **42.8215, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.9360, 0.2919, 0.2926**, and **19.2025, 0.2306, 0.1966** is the 20% darker color. If you saturate the color by 10%, you get **31.3661, 0.2266, 0.1866**, and if you desaturate by 10%, it is **55.2728, 0.2689, 0.2566**.

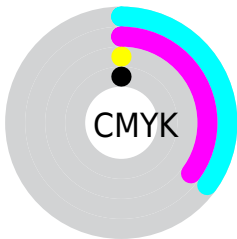
Distribution



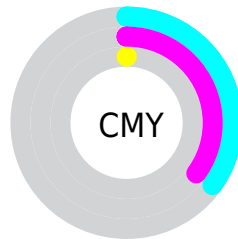
- Red (65%)
- Green (65%)
- Blue (100%)



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



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1296, 0.2483, 0.2224 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 42.1296, 0.2483, 0.2224 by changing the saturation by 10% instead.


 42.1296, 0.2483,
0.2224


 42.1296, 0.2483,
0.2224


355.0199, 0.2806,
0.2725

 29.2028, 0.2404,
0.2110


 78.3957, 0.2599,
0.2398

 19.2343, 0.2305,
0.1971


 102.5038, 0.2643,
0.2465

 11.8397, 0.2177,
0.1798


131.1078, 0.2681,
0.2524

 6.6346, 0.2007,
0.1578

164.5921, 0.2713,
0.2574

 3.2347, 0.1774,
0.1294

203.3411, 0.2741,
0.2619

 1.2554, 0.1444,
0.0930

247.7391, 0.2765,

 0.1063, 0.0976,

0.2658

0.0171

298.1706, 0.2787,
0.2693

0.0000, 0.0000,
0.0000

42.1296, 0.2483,
0.2224

42.1296, 0.2483,
0.2224

31.3661, 0.2266,
0.1866

55.2728, 0.2689,
0.2566

22.8369, 0.2051,
0.1510

70.9227, 0.2878,
0.2878

16.3861, 0.1854,
0.1183

89.2012, 0.3047,
0.3157

11.8362, 0.1691,
0.0914

100.0000, 0.3127,
0.3290

8.9802, 0.1576,
0.0725

■ 7.5625, 0.1515,
0.0625

■ 7.2220, 0.1500,
0.0600

Harmonies

Analogous

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



42.1296, 0.2056, 0.2242



42.1296, 0.2483, 0.2224



42.1296, 0.3132, 0.2427

Triad

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



42.1296, 0.2483, 0.2224



42.1296, 0.4533, 0.3832



42.1296, 0.2383, 0.3818

Complementary

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



42.1296, 0.2483, 0.2224



95.4749, 0.3660, 0.4172

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.



42.1296, 0.2996, 0.4431



42.1296, 0.2483, 0.2224



42.1296, 0.4250, 0.4316

Square

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



42.1296, 0.2483, 0.2224



42.1296, 0.4397, 0.3300



42.1296, 0.3680, 0.4590



42.1296, 0.1997, 0.3074

Rectangle

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



42.1296, 0.2483, 0.2224



42.1296, 0.3622, 0.2664



42.1296, 0.3680, 0.4590



42.1296, 0.2568, 0.4057

Sweetspot

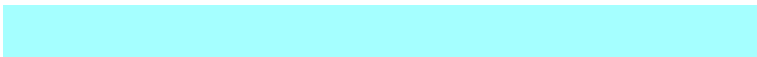
The Sweet Spot groups the original color and five complimentary colors.



42.1307, 0.2483, 0.2224



78.4592, 0.2953, 0.3002



86.7369, 0.2628, 0.3289



16.2739, 0.2930, 0.2964



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.



42.1307, 0.2483, 0.2224



34.6672, 0.2338, 0.1985



47.8220, 0.2810, 0.2314



17.3789, 0.2979, 0.3044



3.7741, 0.1501, 0.0600



0.3678, 0.1501, 0.0601

Inverse Universe

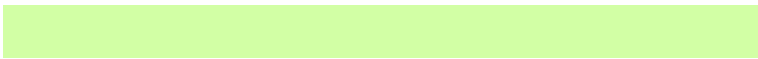
The Inverse Universe completely reimagines the original color for something new.



55.3749, 0.3169, 0.2413



49.6200, 0.3177, 0.2257



87.9357, 0.3356, 0.4269



18.3000, 0.3138, 0.3056



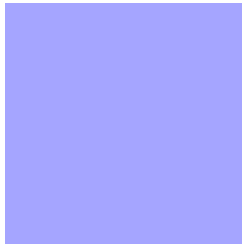
14.8711, 0.3212, 0.1543



1.4481, 0.3212, 0.1543

Previews

White Background



This preview shows how the Yxy color 42.1296, 0.2483, 0.2224 looks on a white background.

Color Contrast Check

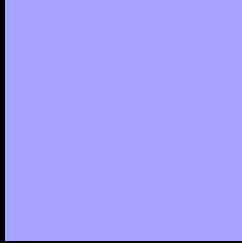
Large Text (above 18pt) WCAG AA × Fail

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 42.1296, 0.2483, 0.2224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

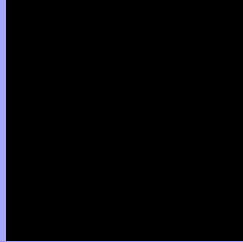
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.1296, 0.2483, 0.2224

Background



This preview shows how black text looks on a background with the Yxy color 42.1296, 0.2483, 0.2224.



This preview shows how white text looks on a background with the Yxy color 42.1296, 0.2483, 0.2224.

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

42.1296, 0.2483, 0.2224

Protanopia

42.3656, 0.2367, 0.2264

Deuteranopia

42.1723, 0.2350, 0.2289



Tritanopia

42.2259, 0.2800, 0.3095

Trichromacy



Original Color

42.1296, 0.2483, 0.2224

Protanomaly

42.2713, 0.2406, 0.2250

Deuteranomaly

41.9213, 0.2392, 0.2255

Tritanomaly

41.8614, 0.2675, 0.2736

Monochromacy



Original Color

42.1296, 0.2483, 0.2224

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

42.1434, 0.2866, 0.2858

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1296, 0.2483, 0.2224 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(165, 165, 255)` looks like.

```
.text, #text, p{  
    color:rgb(165, 165, 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(165, 165, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 165, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.1296, 0.2483, 0.2224 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(165, 165, 255) }
```

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

```
.border{ border-color:rgb(165, 165, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 165, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 165, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 165, 255);  
box-shadow:4px 4px 4px 4px rgb(165, 165,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1296, 0.2483, 0.2224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 165, 255) }
```

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

```
.background{ background-color: rgb(165,  
165, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor