

Converting Colors

$Y_{xy}(42.6978, 0.2404, 0.2266)$

Have a look what the booklet for
Yxy(42.6978, 0.2404, 0.2266)
contains.

Yxy(42.5488, 0.2401, 0.2261)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.5488, 0.2401, 0.2261)

Conversions

Conversions Part 1

Format	Color
Hex	97AAFF
RGB	151, 170, 255
RGB Percent	59%, 67%, 100%
CMY	0.4080, 0.3333, 0.0000
CMYK	0.41, 0.33, 0.00, 0.00
HSL	229°, 100%, 80%
HSV	229°, 41%, 100%
XYZ	45.1834, 42.5488, 100.4536
YIQ	174.0090, -38.6090, 22.4070

Conversions

Conversions Part 2

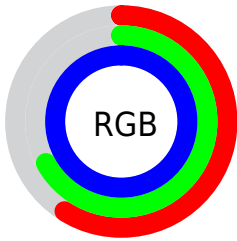
Format	Color
R _Y B	151, 167, 255
Decimal	9939711
CIE Lab	71.25, 14.16, -44.27
CIE LCh	71, 46.482, 287.735
Yxy	42.5488, 0.2401, 0.2261
Android (android.graphics.Color)	4288129791 (0xFF97A AFF)
YUV	174.0090, 39.9286, -20.1789
Hunter-Lab	65.2294, 9.4926, -45.6462

Details

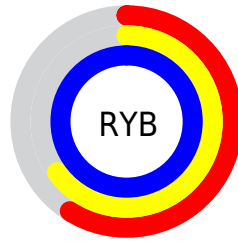
The Yxy color **42.5488, 0.2401, 0.2261** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **83.4548, 0.3810, 0.4140**, and the grayscale version is **42.1351, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.4803, 0.2831, 0.2971**, and **19.4670, 0.2207, 0.2009** is the 20% darker color. If you saturate the color by 10%, you get **33.1668, 0.2203, 0.1956**, and if you desaturate by 10%, it is **53.6966, 0.2597, 0.2552**.

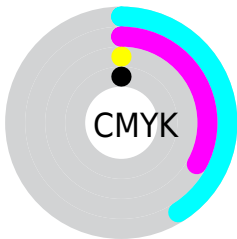
Distribution



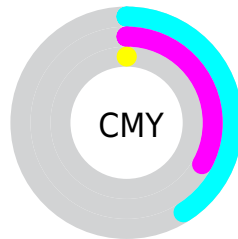
- Red (59%)
- Green (67%)
- Blue (100%)



- Red (59%)
- Yellow (65%)
- Blue (100%)



- Cyan (41%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)



- Cyan (41%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.5488, 0.2401, 0.2261 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 42.5488, 0.2401, 0.2261 by changing the saturation by 10% instead.


 42.5488, 0.2401,
0.2261


 42.5488, 0.2401,
0.2261


356.7529, 0.2760,
0.2749

 29.5313, 0.2315,
0.2149


 79.0295, 0.2529,
0.2431

 19.4831, 0.2207,
0.2012


 103.2615, 0.2578,
0.2497

 12.0199, 0.2068,
0.1841


132.0004, 0.2620,
0.2554

 6.7572, 0.1886,
0.1622

165.6307, 0.2656,
0.2603

 3.3107, 0.1639,
0.1338

204.5367, 0.2687,
0.2646

 1.2960, 0.1296,
0.0969

249.1028, 0.2715,

 0.1381, 0.0778,

0.2684

0.0225

299.7134, 0.2739,
0.2718

0.0000, 0.0000,
0.0000

42.5488, 0.2401,
0.2261

42.5488, 0.2401,
0.2261

33.1668, 0.2203,
0.1956

53.6966, 0.2597,
0.2552

25.4568, 0.2012,
0.1649

66.6945, 0.2784,
0.2819

19.3182, 0.1840,
0.1356

81.6229, 0.2957,
0.3060

14.6380, 0.1699,
0.1096

98.5569, 0.3115,
0.3274

11.2875, 0.1598,
0.0886

100.0000, 0.3127,
0.3290

■ 9.2286, 0.1541,
0.0746

Harmonies

Analogous

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



42.5488, 0.2050, 0.2336



42.5488, 0.2401, 0.2261



42.5488, 0.2975, 0.2407

Triad

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



42.5488, 0.2401, 0.2261



42.5488, 0.4461, 0.3694



42.5488, 0.2549, 0.3946

Complementary

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



42.5488, 0.2401, 0.2261



83.4548, 0.3810, 0.4140

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.



42.5488, 0.3162, 0.4436



42.5488, 0.2401, 0.2261



42.5488, 0.4285, 0.4171

Square

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



42.5488, 0.2401, 0.2261



42.5488, 0.4231, 0.3188



42.5488, 0.3799, 0.4485



42.5488, 0.2120, 0.3248

Rectangle

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



42.5488, 0.2401, 0.2261



42.5488, 0.3432, 0.2609



42.5488, 0.3799, 0.4485



42.5488, 0.2740, 0.4150

Sweetspot

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



42.5492, 0.2401, 0.2261



79.7267, 0.2937, 0.3033



84.1474, 0.2652, 0.3506



16.6300, 0.2915, 0.3003



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.



42.5492, 0.2401, 0.2261



34.7292, 0.2238, 0.2012



39.5193, 0.2598, 0.2102



17.9156, 0.2979, 0.3090



4.9758, 0.1547, 0.0767



0.6224, 0.1598, 0.0951

Inverse Universe

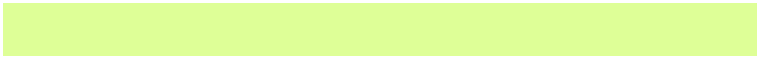
The Inverse Universe completely reimagines the original color for something new.



46.2832, 0.3979, 0.3092



39.5361, 0.4250, 0.3057



89.2912, 0.3513, 0.4388



18.0414, 0.3265, 0.3247



11.2303, 0.6123, 0.3147



1.1074, 0.5833, 0.2987

Previews

White Background



This preview shows how the Yxy color 42.5488, 0.2401, 0.2261 looks on a white background.

Color Contrast Check

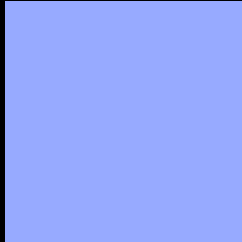
Large Text (above 18pt) WCAG AA × Fail

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 42.5488, 0.2401, 0.2261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

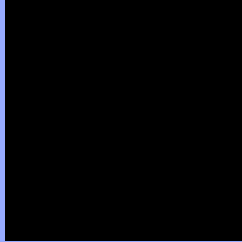
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.5488, 0.2401, 0.2261

Background



This preview shows how black text looks on a background with the Yxy color 42.5488, 0.2401, 0.2261.



This preview shows how white text looks on a background with the Yxy color 42.5488, 0.2401, 0.2261.

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

42.5488, 0.2401, 0.2261

Protanopia

42.4568, 0.2373, 0.2266

Deuteranopia

42.7056, 0.2353, 0.2293



Tritanopia

42.6757, 0.2669, 0.3092

Trichromacy



Original Color

42.5488, 0.2401, 0.2261

Protanomaly

42.6417, 0.2385, 0.2269

Deuteranomaly

42.6805, 0.2374, 0.2286

Tritanomaly

42.5133, 0.2565, 0.2766

Monochromacy



Original Color

42.5488, 0.2401, 0.2261

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.3059, 0.2834, 0.2893

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5488, 0.2401, 0.2261 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(151, 170, 255)` looks like.

```
.text, #text, p{  
    color:rgb(151, 170, 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(151, 170, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 170, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.5488, 0.2401, 0.2261 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(151, 170, 255) }
```

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

```
.border{ border-color:rgb(151, 170, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 170, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 170, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 170, 255);  
box-shadow:4px 4px 4px 4px rgb(151, 170,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5488, 0.2401, 0.2261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 170, 255) }
```

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

```
.background{ background-color: rgb(151,  
170, 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