

Converting Colors

$Y_{xy}(41.8872, 0.2326, 0.2259)$

Have a look what the booklet for
Yxy(41.8872, 0.2326, 0.2259)
contains.

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Color

Yxy(41.7491, 0.2326, 0.2254)

Conversions

Conversions Part 1

Format	Color
Hex	8AABFF
RGB	138, 171, 255
RGB Percent	54%, 67%, 100%
CMY	0.4591, 0.3293, 0.0000
CMYK	0.46, 0.33, 0.00, 0.00
HSL	223°, 100%, 77%
HSV	223°, 46%, 100%
XYZ	43.0827, 41.7491, 100.3905
YIQ	170.7090, -46.6320, 19.1280

Conversions

Conversions Part 2

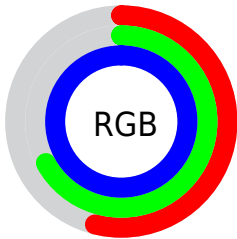
Format	Color
RYB	138, 164, 255
Decimal	9087999
CIELab	70.70, 10.39, -45.18
CIELCh	71, 46.359, 282.947
Yxy	41.7491, 0.2326, 0.2254
Android (android.graphics.Color)	4287278079 (0xFF8AABFF)
YUV	170.7090, 41.5555, -28.6858
Hunter-Lab	64.6135, 5.9456, -46.8898

Details

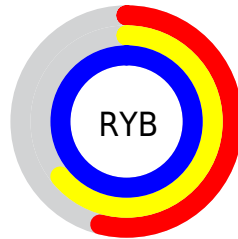
The Yxy color **41.7491, 0.2326, 0.2254** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **75.2758, 0.3952, 0.4137**, and the grayscale version is **40.3703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.3485, 0.2759, 0.2975**, and **18.9763, 0.2113, 0.1995** is the 20% darker color. If you saturate the color by 10%, you get **33.3875, 0.2142, 0.1980**, and if you desaturate by 10%, it is **51.5802, 0.2513, 0.2517**.

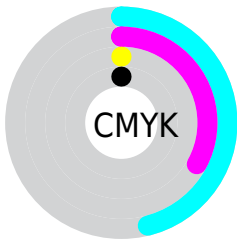
Distribution



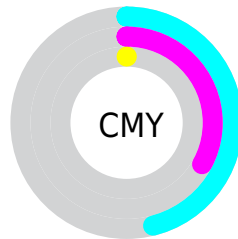
- Red (54%)
- Green (67%)
- Blue (100%)



- Red (54%)
- Yellow (64%)
- Blue (100%)



- Cyan (46%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)



- Cyan (46%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.7491, 0.2326, 0.2254 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 41.7491, 0.2326, 0.2254 by changing the saturation by 10% instead.

■ 41.7491, 0.2326,
0.2254

■ 41.7491, 0.2326,
0.2254

353.4418, 0.2721,
0.2748

■ 28.9049, 0.2232,
0.2140

■ 77.8198, 0.2466,
0.2427

■ 19.0089, 0.2115,
0.2000

■ 101.8150, 0.2520,
0.2494

■ 11.6767, 0.1965,
0.1825

130.2960, 0.2566,
0.2551

■ 6.5239, 0.1769,
0.1600

163.6472, 0.2605,
0.2601

■ 3.1662, 0.1507,
0.1310

202.2530, 0.2640,
0.2645

■ 1.2191, 0.1151,
0.0934

246.4978, 0.2670,

■ 0.0772, 0.0553,

0.2683

0.0131

296.7659, 0.2697,
0.2718

0.0000, 0.0000,
0.0000

41.7491, 0.2326,
0.2254

41.7491, 0.2326,
0.2254

33.3875, 0.2142,
0.1980

51.5802, 0.2513,
0.2517

26.4155, 0.1971,
0.1703

62.9457, 0.2697,
0.2762

20.7519, 0.1821,
0.1439

75.9120, 0.2872,
0.2984

16.3037, 0.1701,
0.1199

90.5400, 0.3036,
0.3183

12.9626, 0.1617,
0.0997

99.9997, 0.3127,
0.3290

■ 11.8678, 0.1591,
0.0927

Harmonies

Analogous

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



41.7491, 0.2014, 0.2368



41.7491, 0.2326, 0.2254



41.7491, 0.2870, 0.2367

Triad

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



41.7491, 0.2326, 0.2254



41.7491, 0.4457, 0.3613



41.7491, 0.2636, 0.4051

Complementary

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



41.7491, 0.2326, 0.2254



75.2758, 0.3952, 0.4137

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.



41.7491, 0.3267, 0.4480



41.7491, 0.2326, 0.2254



41.7491, 0.4341, 0.4103

Square

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



41.7491, 0.2326, 0.2254



41.7491, 0.4162, 0.3110



41.7491, 0.3893, 0.4458



41.7491, 0.2169, 0.3358

Rectangle

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



41.7491, 0.2326, 0.2254



41.7491, 0.3321, 0.2552



41.7491, 0.3893, 0.4458



41.7491, 0.2836, 0.4239

Sweetspot

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



41.7506, 0.2326, 0.2254



78.5839, 0.2905, 0.3024



82.1776, 0.2660, 0.3680



16.1770, 0.2868, 0.2979



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.



41.7506, 0.2326, 0.2254



34.0939, 0.2159, 0.2005



33.1898, 0.2427, 0.1905



18.2140, 0.2979, 0.3114



6.4183, 0.1598, 0.0954



0.8008, 0.1658, 0.1170

Inverse Universe

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



42.3537, 0.4013, 0.2947



35.8112, 0.4295, 0.2891



90.1111, 0.3633, 0.4494



18.0715, 0.3250, 0.3223



11.3759, 0.5829, 0.2984



1.1254, 0.5509, 0.2808

Previews

White Background



This preview shows how the Yxy color 41.7491, 0.2326, 0.2254 looks on a white background.

Color Contrast Check

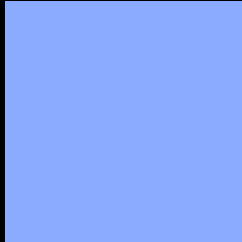
Large Text (above 18pt) WCAG AA × Fail

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 41.7491, 0.2326, 0.2254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

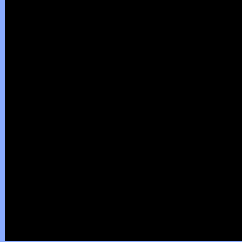
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.7491, 0.2326, 0.2254

Background



This preview shows how black text looks on a background with the Yxy color 41.7491, 0.2326, 0.2254.



This preview shows how white text looks on a background with the Yxy color 41.7491, 0.2326, 0.2254.

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

41.7491, 0.2326, 0.2254

Protanopia

41.8345, 0.2364, 0.2260

Deuteranopia

41.6642, 0.2321, 0.2252



Tritanopia

41.5521, 0.2565, 0.3072

Trichromacy



Original Color

41.7491, 0.2326, 0.2254

Protanomaly

41.6560, 0.2352, 0.2257

Deuteranomaly

41.6642, 0.2321, 0.2252

Tritanomaly

41.4148, 0.2470, 0.2741

Monochromacy



Original Color

41.7491, 0.2326, 0.2254

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.7610, 0.2784, 0.2872

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7491, 0.2326, 0.2254 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(138, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(138, 171, 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(138, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 171, 255) }
```

Border

The CSS property to change the border of an element to Yxy 41.7491, 0.2326, 0.2254 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(138, 171, 255) }
```

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

```
.border{ border-color:rgb(138, 171, 255) }
```

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

Here you see how a box with a 4 pixel rgb(138, 171, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 171, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 171, 255);  
box-shadow:4px 4px 4px 4px rgb(138, 171,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7491, 0.2326, 0.2254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 171, 255) }
```

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

```
.background{ background-color: rgb(138,  
171, 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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