

Converting Colors

$Y_{xy}(41.8935, 0.2359, 0.2250)$

Have a look what the booklet for
Yxy(41.8935, 0.2359, 0.2250)
contains.

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Color

Yxy(41.8987, 0.2359, 0.2250)

Conversions

Conversions Part 1

Format	Color
Hex	90AAFF
RGB	144, 170, 255
RGB Percent	56%, 67%, 100%
CMY	0.4353, 0.3333, 0.0000
CMYK	0.44, 0.33, 0.00, 0.00
HSL	226°, 100%, 78%
HSV	226°, 44%, 100%
XYZ	43.9285, 41.8987, 100.3893
YIQ	171.9160, -42.7810, 20.9230

Conversions

Conversions Part 2

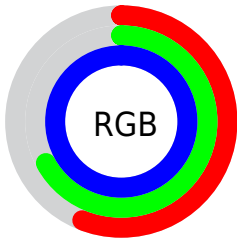
Format	Color
RYB	144, 165, 255
Decimal	9480959
CIELab	70.80, 12.44, -45.00
CIELCh	71, 46.688, 285.450
Yxy	41.8987, 0.2359, 0.2250
Android (android.graphics.Color)	4287671039 (0xFF90AAFF)
YUV	171.9160, 40.9604, -24.4823
Hunter-Lab	64.7292, 7.8629, -46.6431

Details

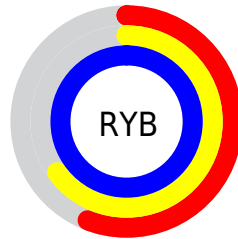
The Yxy color **41.8987, 0.2359, 0.2250** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **79.3186, 0.3882, 0.4144**, and the grayscale version is **41.0166, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.6270, 0.2794, 0.2967**, and **19.0603, 0.2153, 0.1992** is the 20% darker color. If you saturate the color by 10%, you get **33.0705, 0.2168, 0.1960**, and if you desaturate by 10%, it is **52.3345, 0.2551, 0.2527**.

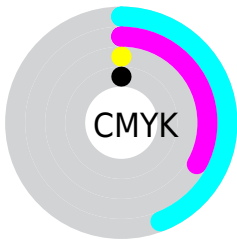
Distribution



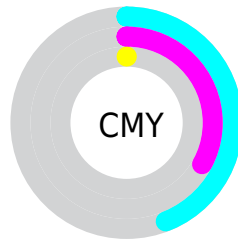
- Red (56%)
- Green (67%)
- Blue (100%)



- Red (56%)
- Yellow (65%)
- Blue (100%)



- Cyan (44%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)





- Cyan (44%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8987, 0.2359, 0.2250 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 41.8987, 0.2359, 0.2250 by changing the saturation by 10% instead.

 41.8987, 0.2359,
0.2250


 41.8987, 0.2359,
0.2250

354.0628, 0.2738,
0.2745

 29.0220, 0.2268,
0.2136

 78.0463, 0.2494,
0.2423

 19.0974, 0.2155,
0.1997


 102.0859, 0.2546,
0.2490

 11.7407, 0.2009,
0.1822


130.6154, 0.2590,
0.2547

 6.5674, 0.1819,
0.1599

164.0190, 0.2628,
0.2597

 3.1930, 0.1562,
0.1311

202.6811, 0.2661,
0.2641

 1.2333, 0.1211,
0.0938

246.9862, 0.2690,

 0.0887, 0.0648,

0.2680

0.0148

297.3187, 0.2716,
0.2714

0.0000, 0.0000,
0.0000

41.8987, 0.2359,
0.2250

41.8987, 0.2359,
0.2250

33.0705, 0.2168,
0.1960

52.3345, 0.2551,
0.2527

25.7646, 0.1987,
0.1669

64.4525, 0.2737,
0.2784

19.8905, 0.1826,
0.1390

78.3254, 0.2912,
0.3016

15.3466, 0.1696,
0.1141

94.0204, 0.3074,
0.3223

12.0154, 0.1605,
0.0935

100.0000, 0.3127,
0.3290

■ 10.4214, 0.1564,
0.0829

Harmonies

Analogous

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



41.8987, 0.2025, 0.2344



41.8987, 0.2359, 0.2250



41.8987, 0.2923, 0.2382

Triad

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



41.8987, 0.2359, 0.2250



41.8987, 0.4471, 0.3657



41.8987, 0.2586, 0.4003

Complementary

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



41.8987, 0.2359, 0.2250



79.3186, 0.3882, 0.4144

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.



41.8987, 0.3212, 0.4469



41.8987, 0.2359, 0.2250



41.8987, 0.4321, 0.4144

Square

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



41.8987, 0.2359, 0.2250



41.8987, 0.4208, 0.3149



41.8987, 0.3849, 0.4482



41.8987, 0.2135, 0.3300

Rectangle

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



41.8987, 0.2359, 0.2250



41.8987, 0.3381, 0.2576



41.8987, 0.3849, 0.4482



41.8987, 0.2782, 0.4202

Sweetspot

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



41.8994, 0.2359, 0.2250



79.1040, 0.2921, 0.3028



83.0102, 0.2661, 0.3612



16.2386, 0.2884, 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.



41.8994, 0.2359, 0.2250



34.3167, 0.2197, 0.2005



35.9129, 0.2498, 0.1994



18.0679, 0.2979, 0.3102



5.6328, 0.1571, 0.0854



0.7069, 0.1627, 0.1057

Inverse Universe

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



44.1119, 0.4004, 0.3020



37.5923, 0.4276, 0.2975



89.9059, 0.3585, 0.4442



18.0568, 0.3257, 0.3235



11.2966, 0.5984, 0.3070



1.1159, 0.5673, 0.2899

Previews

White Background



This preview shows how the Yxy color 41.8987, 0.2359, 0.2250 looks on a white background.

Color Contrast Check

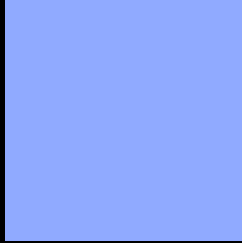
Large Text (above 18pt) WCAG AA × Fail

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 41.8987, 0.2359, 0.2250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

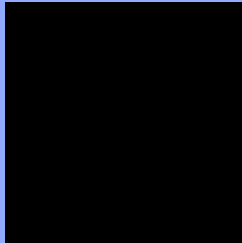
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.8987, 0.2359, 0.2250

Background



This preview shows how black text looks on a background with the Yxy color 41.8987, 0.2359, 0.2250.



This preview shows how white text looks on a background with the Yxy color 41.8987, 0.2359, 0.2250.

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

41.8987, 0.2359, 0.2250

Protanopia

41.8987, 0.2359, 0.2250

Deuteranopia

42.1283, 0.2329, 0.2267



Tritanopia

42.0306, 0.2616, 0.3089

Trichromacy



Original Color

41.8987, 0.2359, 0.2250

Protanomaly

41.8987, 0.2359, 0.2250

Deuteranomaly

41.9213, 0.2338, 0.2257

Tritanomaly

41.9189, 0.2520, 0.2759

Monochromacy



Original Color

41.8987, 0.2359, 0.2250

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.0715, 0.2808, 0.2874

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8987, 0.2359, 0.2250 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(144, 170, 255)` looks like.

```
.text, #text, p{  
    color:rgb(144, 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(144, 170, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 170, 255) }
```

Border

The CSS property to change the border of an element to Yxy 41.8987, 0.2359, 0.2250 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(144, 170, 255) }
```

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

```
.border{ border-color:rgb(144, 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(144, 170, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 170, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 170, 255);  
box-shadow:4px 4px 4px 4px rgb(144, 170,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8987, 0.2359, 0.2250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 170, 255) }
```

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

```
.background{ background-color: rgb(144,  
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](#).

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