

Converting Colors

$Y_{xy}(42.7988, 0.2200, 0.2133)$

Have a look what the booklet for
Yxy(42.7988, 0.2200, 0.2133)
contains.

Yxy(41.8521, 0.2263, 0.2275)	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(41.8521, 0.2263, 0.2275)

Conversions

Conversions Part 1

Format	Color
Hex	7DAEFF
RGB	125, 174, 255
RGB Percent	49%, 68%, 100%
CMY	0.5102, 0.3176, 0.0000
CMYK	0.51, 0.32, 0.00, 0.00
HSL	217°, 100%, 74%
HSV	217°, 51%, 100%
XYZ	41.6313, 41.8521, 100.4818
YIQ	168.5830, -55.2050, 14.8030

Conversions

Conversions Part 2

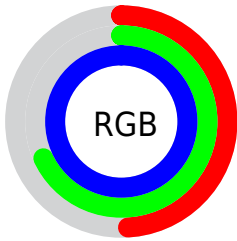
Format	Color
R _Y B	125, 161, 255
Decimal	8236799
CIE Lab	70.77, 5.72, -45.12
CIE LCh	71, 45.477, 277.222
Yxy	41.8521, 0.2263, 0.2275
Android (android.graphics.Color)	4286426879 (0xFF7DAEFF)
YUV	168.5830, 42.6036, -38.2223
Hunter-Lab	64.6932, 1.6552, -46.8043

Details

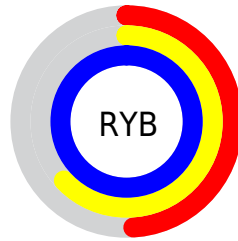
The Yxy color **41.8521, 0.2263, 0.2275** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **66.8179, 0.4121, 0.4111**, and the grayscale version is **39.2581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.4490, 0.2692, 0.3003**, and **19.0863, 0.2040, 0.2021** is the 20% darker color. If you saturate the color by 10%, you get **34.4009, 0.2097, 0.2032**, and if you desaturate by 10%, it is **50.5233, 0.2438, 0.2509**.

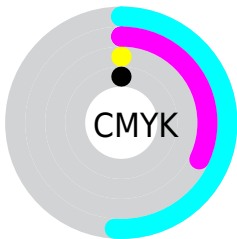
Distribution



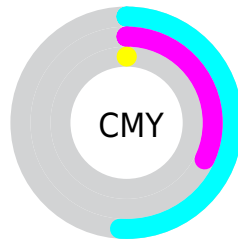
- Red (49%)
- Green (68%)
- Blue (100%)



- Red (49%)
- Yellow (63%)
- Blue (100%)



- Cyan (51%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)



- Cyan (51%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.8521, 0.2263, 0.2275 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 41.8521, 0.2263, 0.2275 by changing the saturation by 10% instead.

■ 41.8521, 0.2263,
0.2275

■ 41.8521, 0.2263,
0.2275

■ 353.8695, 0.2686,
0.2763

■ 28.9855, 0.2163,
0.2162

■ 77.9757, 0.2413,
0.2446

■ 19.0699, 0.2039,
0.2022

■ 102.0016, 0.2470,
0.2512

■ 11.7208, 0.1882,
0.1847

■ 130.5159, 0.2519,
0.2569

■ 6.5538, 0.1677,
0.1622

■ 163.9032, 0.2562,
0.2618

■ 3.1847, 0.1406,
0.1330

■ 202.5478, 0.2599,
0.2661

■ 1.2289, 0.1045,
0.0951

■ 246.8341, 0.2631,

■ 0.0851, 0.0378,

0.2699

0.0146

297.1465, 0.2660,
0.2733

0.0000, 0.0000,
0.0000

41.8521, 0.2263,
0.2275

41.8521, 0.2263,
0.2275

34.4009, 0.2097,
0.2032

50.5233, 0.2438,
0.2509

28.1015, 0.1947,
0.1789

60.4684, 0.2615,
0.2728

22.8846, 0.1820,
0.1554

71.7428, 0.2788,
0.2930

18.6690, 0.1721,
0.1337

84.3975, 0.2955,
0.3112

15.6359, 0.1657,
0.1164

98.4801, 0.3112,
0.3275

99.9993, 0.3127,
0.3290

Harmonies

Analogous

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



41.8521, 0.2002, 0.2435



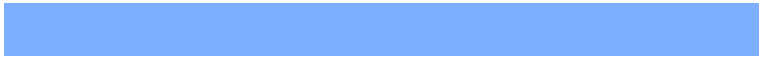
41.8521, 0.2263, 0.2275



41.8521, 0.2759, 0.2346

Triad

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



41.8521, 0.2263, 0.2275



41.8521, 0.4407, 0.3514



41.8521, 0.2757, 0.4144

Complementary

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



41.8521, 0.2263, 0.2275



66.8179, 0.4121, 0.4111

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.



41.8521, 0.3389, 0.4485



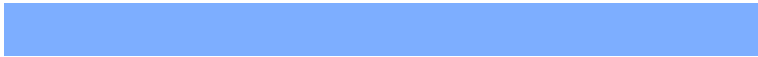
41.8521, 0.2263, 0.2275



41.8521, 0.4370, 0.4005

Square

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



41.8521, 0.2263, 0.2275



41.8521, 0.4046, 0.3025



41.8521, 0.3983, 0.4389



41.8521, 0.2256, 0.3491

Rectangle

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



41.8521, 0.2263, 0.2275



41.8521, 0.3188, 0.2505



41.8521, 0.3983, 0.4389



41.8521, 0.2961, 0.4306

Sweetspot

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



41.8536, 0.2263, 0.2275



79.1930, 0.2889, 0.3042



80.2799, 0.2682, 0.3898



16.3798, 0.2854, 0.3003



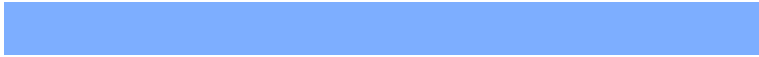
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.8536, 0.2263, 0.2275



34.4140, 0.2097, 0.2033



27.4459, 0.2240, 0.1698



18.5016, 0.2979, 0.3138



8.4348, 0.1665, 0.1194



1.0235, 0.1728, 0.1419

Inverse Universe

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



38.9587, 0.4021, 0.2787



32.7441, 0.4303, 0.2713



91.4840, 0.3769, 0.4577



18.1005, 0.3235, 0.3201



11.5795, 0.5475, 0.2790



1.1479, 0.5166, 0.2620

Previews

White Background



This preview shows how the Yxy color 41.8521, 0.2263, 0.2275 looks on a white background.

Color Contrast Check

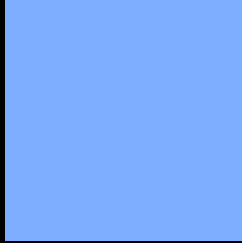
Large Text (above 18pt) WCAG AA × Fail

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 41.8521, 0.2263, 0.2275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

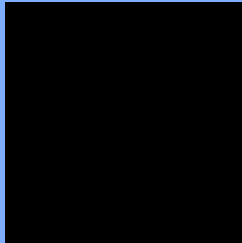
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

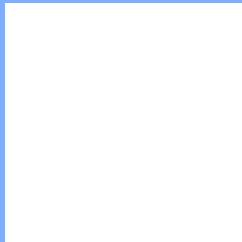
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.8521, 0.2263, 0.2275

Background



This preview shows how black text looks on a background with the Yxy color 41.8521, 0.2263, 0.2275.



This preview shows how white text looks on a background with the Yxy color 41.8521, 0.2263, 0.2275.

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

41.8521, 0.2263, 0.2275

Protanopia

41.8255, 0.2391, 0.2292

Deuteranopia

41.5801, 0.2315, 0.2251



Tritanopia

41.9939, 0.2474, 0.3070

Trichromacy



Original Color

41.8521, 0.2263, 0.2275

Protanomaly

41.5574, 0.2341, 0.2283

Deuteranomaly

41.6306, 0.2295, 0.2258

Tritanomaly

41.7925, 0.2393, 0.2749

Monochromacy



Original Color

41.8521, 0.2263, 0.2275

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.0683, 0.2751, 0.2892

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8521, 0.2263, 0.2275 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(125, 174, 255)` looks like.

```
.text, #text, p{  
    color:rgb(125, 174, 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(125, 174, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 174, 255) }
```

Border

The CSS property to change the border of an element to Yxy 41.8521, 0.2263, 0.2275 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(125, 174, 255) }
```

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

```
.border{ border-color:rgb(125, 174, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 174, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(125, 174, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(125, 174, 255); box-shadow:4px 4px 4px 4px rgb(125, 174, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8521, 0.2263, 0.2275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 174, 255) }
```

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

```
.background{ background-color: rgb(125,  
174, 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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