

Converting Colors

$Y_{xy}(42.3788, 0.2113, 0.2044)$

Have a look what the booklet for
Yxy(42.3788, 0.2113, 0.2044)
contains.

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Color

Yxy(41.0028, 0.2205, 0.2260)

Conversions

Conversions Part 1

Format	Color
Hex	71AEFF
RGB	113, 174, 255
RGB Percent	44%, 68%, 100%
CMY	0.5565, 0.3177, 0.0000
CMYK	0.56, 0.32, 0.00, 0.00
HSL	214°, 100%, 72%
HSV	214°, 56%, 100%
XYZ	40.0049, 41.0028, 100.4206
YIQ	164.9950, -62.3570, 12.2590

Conversions

Conversions Part 2

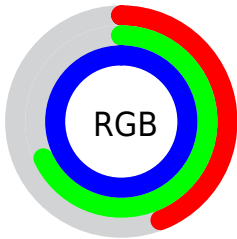
Format	Color
R _Y B	113, 156, 255
Decimal	7450367
CIE Lab	70.18, 3.25, -46.10
CIE LCh	70, 46.210, 274.037
Yxy	41.0028, 0.2205, 0.2260
Android (android.graphics.Color)	4285640447 (0xFF71AEFF)
YUV	164.9950, 44.3725, -45.5996
Hunter-Lab	64.0334, -0.5405, -48.1583

Details

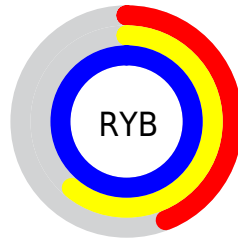
The Yxy color **41.0028, 0.2205, 0.2260** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **61.0830, 0.4273, 0.4107**, and the grayscale version is **37.4393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.1429, 0.2631, 0.2998**, and **18.5771, 0.1968, 0.2000** is the 20% darker color. If you saturate the color by 10%, you get **34.2190, 0.2053, 0.2035**, and if you desaturate by 10%, it is **48.8730, 0.2370, 0.2479**.

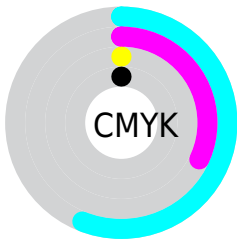
Distribution



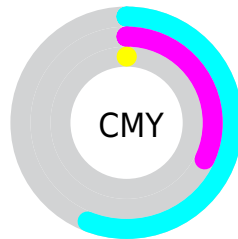
- Red (44%)
- Green (68%)
- Blue (100%)



- Red (44%)
- Yellow (61%)
- Blue (100%)



- Cyan (56%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)





- Cyan (56%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.0028, 0.2205, 0.2260 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 41.0028, 0.2205, 0.2260 by changing the saturation by 10% instead.


 41.0028, 0.2205,
0.2260


 41.0028, 0.2205,
0.2260


350.3323, 0.2655,
0.2758


 28.3213, 0.2099,
0.2144


 76.6881, 0.2364,
0.2435

 18.5680, 0.1968,
0.2001


 100.4608, 0.2425,
0.2503

 11.3585, 0.1802,
0.1822


 128.6992, 0.2478,
0.2560

 6.3085, 0.1588,
0.1591

161.7878, 0.2523,
0.2611

 3.0336, 0.1307,
0.1292

200.1110, 0.2562,
0.2654

 1.1493, 0.0939,
0.0907

244.0533, 0.2597,

 0.0197, 0.0174,

0.2693

0.0035

293.9989, 0.2627,
0.2727

0.0000, 0.0000,
0.0000

41.0028, 0.2205,
0.2260

41.0028, 0.2205,
0.2260

34.2190, 0.2053,
0.2035

48.8730, 0.2370,
0.2479

28.4589, 0.1919,
0.1811

57.8817, 0.2541,
0.2686

23.6550, 0.1809,
0.1596

68.0801, 0.2712,
0.2877

19.7269, 0.1728,
0.1396

79.5152, 0.2879,
0.3052

18.2489, 0.1699,
0.1316

92.2311, 0.3040,
0.3209

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



41.0028, 0.1967, 0.2448



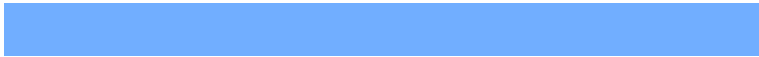
41.0028, 0.2205, 0.2260



41.0028, 0.2687, 0.2310

Triad

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



41.0028, 0.2205, 0.2260



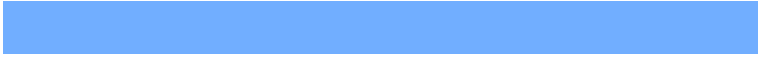
41.0028, 0.4416, 0.3461



41.0028, 0.2812, 0.4223

Complementary

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



41.0028, 0.2205, 0.2260



61.0830, 0.4273, 0.4107

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.



41.0028, 0.3462, 0.4523



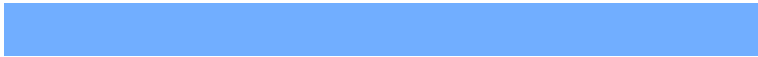
41.0028, 0.2205, 0.2260



41.0028, 0.4420, 0.3966

Square

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



41.0028, 0.2205, 0.2260



41.0028, 0.4007, 0.2968



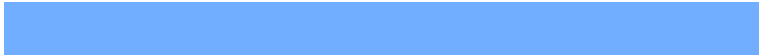
41.0028, 0.4055, 0.4380



41.0028, 0.2281, 0.3571

Rectangle

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



41.0028, 0.2205, 0.2260



41.0028, 0.3115, 0.2458



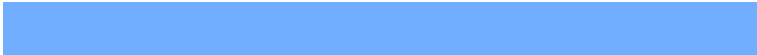
41.0028, 0.4055, 0.4380



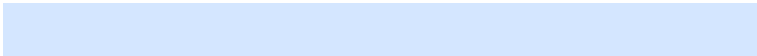
41.0028, 0.3024, 0.4375

Sweetspot

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



41.0036, 0.2205, 0.2260



77.8995, 0.2857, 0.3029



78.9094, 0.2688, 0.4059



16.1677, 0.2824, 0.2995



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.



41.0036, 0.2205, 0.2260



33.3840, 0.2033, 0.2005



23.2278, 0.2100, 0.1521



18.6596, 0.2979, 0.3151



9.8179, 0.1707, 0.1346



1.1677, 0.1769, 0.1566

Inverse Universe

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



36.1455, 0.4057, 0.2676



30.0743, 0.4362, 0.2596



92.2239, 0.3864, 0.4652



18.1165, 0.3227, 0.3188



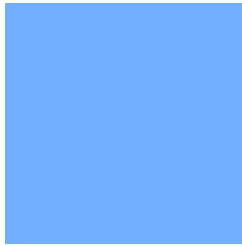
11.7191, 0.5264, 0.2673



1.1624, 0.4974, 0.2514

Previews

White Background



This preview shows how the Yxy color 41.0028, 0.2205, 0.2260 looks on a white background.

Color Contrast Check

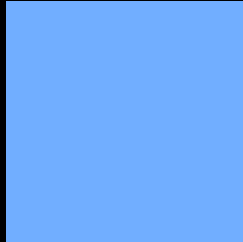
Large Text (above 18pt) WCAG AA × Fail

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 41.0028, 0.2205, 0.2260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

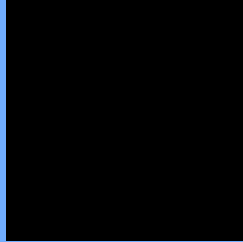
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

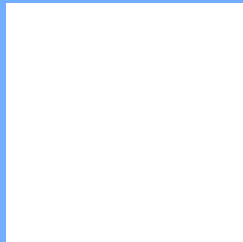
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.0028, 0.2205, 0.2260

Background



This preview shows how black text looks on a background with the Yxy color 41.0028, 0.2205, 0.2260.



This preview shows how white text looks on a background with the Yxy color 41.0028, 0.2205, 0.2260.

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

41.0028, 0.2205, 0.2260

Protanopia

40.8367, 0.2380, 0.2273

Deuteranopia

40.8750, 0.2291, 0.2232



Tritanopia

41.1434, 0.2398, 0.3065

Trichromacy



Original Color

41.0028, 0.2205, 0.2260

Protanomaly

40.7643, 0.2310, 0.2263

Deuteranomaly

40.7058, 0.2256, 0.2236

Tritanomaly

40.9244, 0.2322, 0.2739

Monochromacy



Original Color

41.0028, 0.2205, 0.2260

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.1935, 0.2708, 0.2869

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.0028, 0.2205, 0.2260 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(113, 174, 255)` looks like.

```
.text, #text, p{  
    color:rgb(113, 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(113, 174, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 174, 255) }
```

Border

The CSS property to change the border of an element to Yxy 41.0028, 0.2205, 0.2260 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(113, 174, 255) }
```

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

```
.border{ border-color:rgb(113, 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(113, 174, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 174, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 174, 255);  
box-shadow:4px 4px 4px 4px rgb(113, 174,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 41.0028, 0.2205, 0.2260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 174, 255) }
```

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

```
.background{ background-color: rgb(113,  
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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