

Converting Colors

$Y_{xy}(41.0040, 0.2188, 0.2265)$

Have a look what the booklet for
Yxy(41.0040, 0.2188, 0.2265)
contains.

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Color

Yxy(41.1312, 0.2189, 0.2269)

Conversions

Conversions Part 1

Format	Color
Hex	6DAFFF
RGB	109, 175, 255
RGB Percent	43%, 69%, 100%
CMY	0.5728, 0.3137, 0.0000
CMYK	0.57, 0.31, 0.00, 0.00
HSL	213°, 100%, 71%
HSV	213°, 57%, 100%
XYZ	39.6810, 41.1312, 100.4624
YIQ	164.3860, -65.0160, 10.8880

Conversions

Conversions Part 2

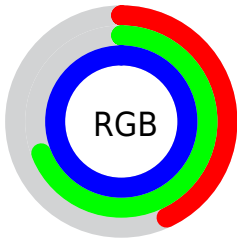
Format	Color
R _Y B	109, 154, 255
Decimal	7188479
CIE Lab	70.27, 1.85, -45.97
CIE LCh	70, 46.005, 272.307
Yxy	41.1312, 0.2189, 0.2269
Android (android.graphics.Color)	4285378559 (0xFF6DAFFF)
YUV	164.3860, 44.6727, -48.5735
Hunter-Lab	64.1336, -1.7916, -47.9815

Details

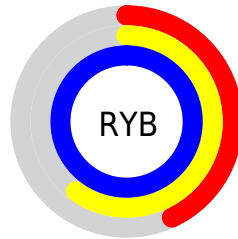
The Yxy color **41.1312, 0.2189, 0.2269** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **58.7237, 0.4336, 0.4095**, and the grayscale version is **37.1177, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.2486, 0.2611, 0.3008**, and **18.6745, 0.1950, 0.2011** is the 20% darker color. If you saturate the color by 10%, you get **34.5857, 0.2043, 0.2053**, and if you desaturate by 10%, it is **48.7094, 0.2349, 0.2480**.

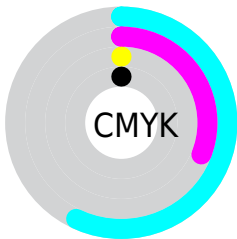
Distribution



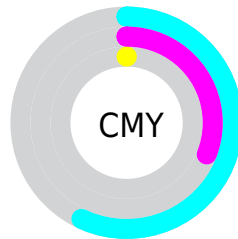
- Red (43%)
- Green (69%)
- Blue (100%)



- Red (43%)
- Yellow (60%)
- Blue (100%)



- Cyan (57%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (57%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.1312, 0.2189, 0.2269 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 41.1312, 0.2189, 0.2269 by changing the saturation by 10% instead.

■ 41.1312, 0.2189,
0.2269

■ 41.1312, 0.2189,
0.2269

350.8687, 0.2646,
0.2763

■ 28.4216, 0.2082,
0.2154

■ 76.8830, 0.2350,
0.2443

■ 18.6437, 0.1949,
0.2011

■ 100.6940, 0.2412,
0.2510

■ 11.4131, 0.1782,
0.1832

■ 128.9743, 0.2465,
0.2568

■ 6.3454, 0.1566,
0.1602

162.1083, 0.2511,
0.2617

■ 3.0562, 0.1283,
0.1303

200.4803, 0.2551,
0.2661

■ 1.1612, 0.0915,
0.0917

244.4748, 0.2587,

■ 0.0296, 0.0131,

0.2699

0.0053

294.4761, 0.2618,
0.2733

0.0000, 0.0000,
0.0000

41.1312, 0.2189,
0.2269

41.1312, 0.2189,
0.2269

34.5857, 0.2043,
0.2053

48.7094, 0.2349,
0.2480

29.0115, 0.1915,
0.1838

57.3708, 0.2517,
0.2680

24.3423, 0.1813,
0.1631

67.1651, 0.2686,
0.2866

20.4958, 0.1737,
0.1438

78.1376, 0.2853,
0.3036

19.5638, 0.1719,
0.1389

90.3310, 0.3014,
0.3189

100.0000, 0.3127,
0.3290

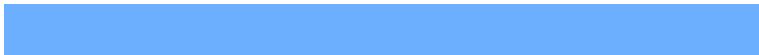
Harmonies

Analogous

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



41.1312, 0.1967, 0.2471



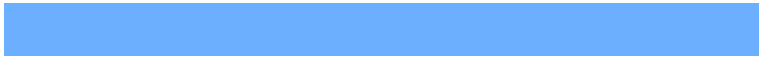
41.1312, 0.2189, 0.2269



41.1312, 0.2656, 0.2306

Triad

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



41.1312, 0.2189, 0.2269



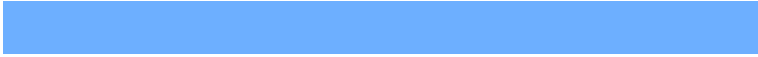
41.1312, 0.4396, 0.3432



41.1312, 0.2850, 0.4247

Complementary

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



41.1312, 0.2189, 0.2269



58.7237, 0.4336, 0.4095

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.



41.1312, 0.3498, 0.4519



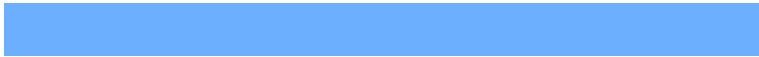
41.1312, 0.2189, 0.2269



41.1312, 0.4424, 0.3936

Square

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



41.1312, 0.2189, 0.2269



41.1312, 0.3969, 0.2944



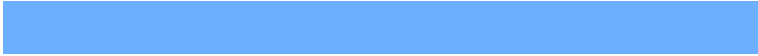
41.1312, 0.4079, 0.4356



41.1312, 0.2310, 0.3610

Rectangle

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



41.1312, 0.2189, 0.2269



41.1312, 0.3076, 0.2446



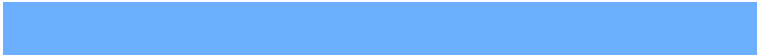
41.1312, 0.4079, 0.4356



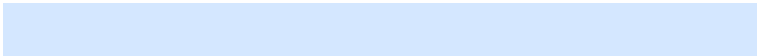
41.1312, 0.3063, 0.4389

Sweetspot

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



41.1320, 0.2189, 0.2269



78.4633, 0.2858, 0.3040



78.3478, 0.2703, 0.4152



16.3004, 0.2824, 0.3008



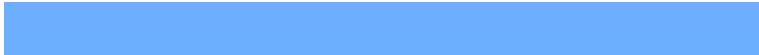
0.0000, 0.0000, 0.0000



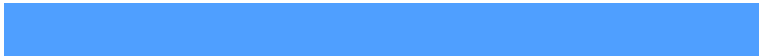
21.4041, 0.3127, 0.3290

Same Dimension

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



41.1320, 0.2189, 0.2269



33.5600, 0.2019, 0.2016



21.7073, 0.2038, 0.1454



18.7312, 0.2979, 0.3156



10.5116, 0.1727, 0.1419



1.2382, 0.1788, 0.1635

Inverse Universe

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



35.2788, 0.4056, 0.2628



29.3502, 0.4361, 0.2546



92.9709, 0.3914, 0.4666



18.1237, 0.3223, 0.3183



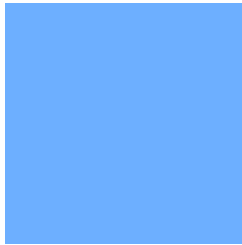
11.7891, 0.5166, 0.2620



1.1695, 0.4887, 0.2466

Previews

White Background



This preview shows how the Yxy color 41.1312, 0.2189, 0.2269 looks on a white background.

Color Contrast Check

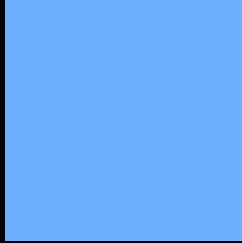
Large Text (above 18pt) WCAG AA × Fail

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 41.1312, 0.2189, 0.2269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

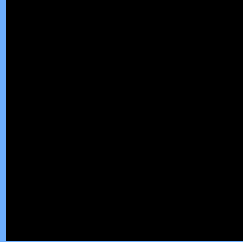
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

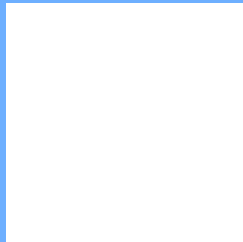
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.1312, 0.2189, 0.2269

Background



This preview shows how black text looks on a background with the Yxy color 41.1312, 0.2189, 0.2269.



This preview shows how white text looks on a background with the Yxy color 41.1312, 0.2189, 0.2269.

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

41.1312, 0.2189, 0.2269

Protanopia

40.7741, 0.2385, 0.2283

Deuteranopia

40.9560, 0.2296, 0.2234



Tritanopia

41.3611, 0.2374, 0.3065

Trichromacy



Original Color

41.1312, 0.2189, 0.2269

Protanomaly

40.9161, 0.2306, 0.2283

Deuteranomaly

41.0101, 0.2253, 0.2247

Tritanomaly

41.1093, 0.2298, 0.2738

Monochromacy



Original Color

41.1312, 0.2189, 0.2269

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.9658, 0.2699, 0.2880

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.1312, 0.2189, 0.2269 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(109, 175, 255)` looks like.

```
.text, #text, p{  
    color:rgb(109, 175, 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(109, 175, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 175, 255) }
```

Border

The CSS property to change the border of an element to Yxy 41.1312, 0.2189, 0.2269 is called "border". The border property can be set on classes, ids or directly on the HTML element.

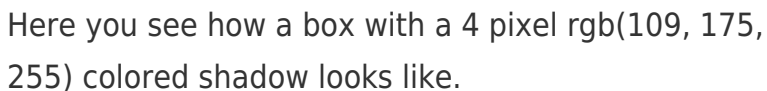
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(109, 175, 255) }
```

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

```
.border{ border-color:rgb(109, 175, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(109, 175, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 175, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 175, 255);  
box-shadow:4px 4px 4px 4px rgb(109, 175,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 41.1312, 0.2189, 0.2269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 175, 255) }
```

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

```
.background{ background-color: rgb(109,  
175, 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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