

Converting Colors

$Y_{xy}(42.2858, 0.2144, 0.2139)$

Have a look what the booklet for
Yxy(42.2858, 0.2144, 0.2139)
contains.

Yxy(41.2595, 0.2198, 0.2271)	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(41.2595, 0.2198, 0.2271)

Conversions

Conversions Part 1

Format	Color
Hex	6FAFFF
RGB	111, 175, 255
RGB Percent	44%, 69%, 100%
CMY	0.5649, 0.3137, 0.0000
CMYK	0.56, 0.31, 0.00, 0.00
HSL	213°, 100%, 72%
HSV	213°, 56%, 100%
XYZ	39.9332, 41.2595, 100.4871
YIQ	164.9840, -63.8240, 11.3120

Conversions

Conversions Part 2

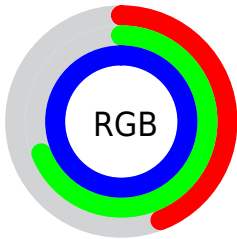
Format	Color
R _Y B	111, 155, 255
Decimal	7319551
CIE Lab	70.36, 2.26, -45.83
CIE LCh	70, 45.885, 272.818
Yxy	41.2595, 0.2198, 0.2271
Android (android.graphics.Color)	4285509631 (0xFF6FAFFF)
YUV	164.9840, 44.3779, -47.3440
Hunter-Lab	64.2336, -1.4374, -47.7899

Details

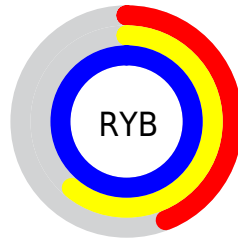
The Yxy color **41.2595, 0.2198, 0.2271** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **59.6426, 0.4308, 0.4096**, and the grayscale version is **37.4195, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.4716, 0.2621, 0.3009**, and **18.7354, 0.1959, 0.2014** is the 20% darker color. If you saturate the color by 10%, you get **34.6090, 0.2049, 0.2052**, and if you desaturate by 10%, it is **48.9596, 0.2360, 0.2484**.

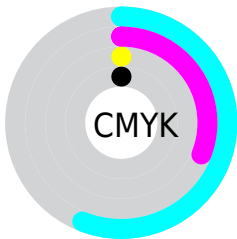
Distribution



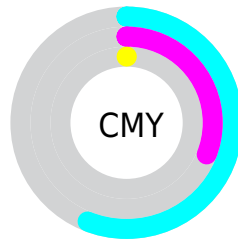
- Red (44%)
- Green (69%)
- Blue (100%)



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



- Cyan (56%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (56%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.2595, 0.2198, 0.2271 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 41.2595, 0.2198, 0.2271 by changing the saturation by 10% instead.

■ 41.2595, 0.2198,
0.2271

■ 41.2595, 0.2198,
0.2271

351.4040, 0.2650,
0.2764

■ 28.5219, 0.2092,
0.2156

■ 77.0777, 0.2358,
0.2445

■ 18.7195, 0.1960,
0.2014

■ 100.9270, 0.2419,
0.2511

■ 11.4677, 0.1794,
0.1836

■ 129.2491, 0.2472,
0.2569

■ 6.3824, 0.1579,
0.1607

162.4283, 0.2517,
0.2618

■ 3.0790, 0.1298,
0.1309

200.8490, 0.2557,
0.2662

■ 1.1731, 0.0931,
0.0923

244.8956, 0.2592,

■ 0.0396, 0.0164,

0.2700

0.0070

294.9525, 0.2623,
0.2734

0.0000, 0.0000,
0.0000

41.2595, 0.2198,
0.2271

41.2595, 0.2198,
0.2271

34.6090, 0.2049,
0.2052

48.9596, 0.2360,
0.2484

28.9495, 0.1919,
0.1834

57.7633, 0.2529,
0.2686

24.2137, 0.1814,
0.1624

67.7197, 0.2699,
0.2874

20.3213, 0.1735,
0.1429

78.8745, 0.2866,
0.3045

19.1191, 0.1712,
0.1364

91.2707, 0.3027,
0.3199

100.0000, 0.3127,
0.3290

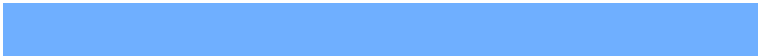
Harmonies

Analogous

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



41.2595, 0.1972, 0.2469



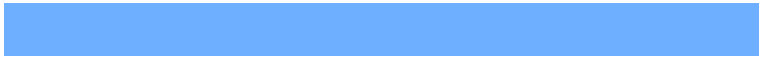
41.2595, 0.2198, 0.2271



41.2595, 0.2667, 0.2311

Triad

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



41.2595, 0.2198, 0.2271



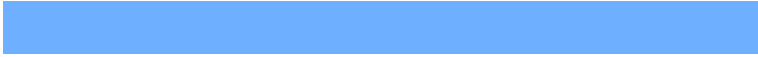
41.2595, 0.4395, 0.3440



41.2595, 0.2841, 0.4235

Complementary

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



41.2595, 0.2198, 0.2271



59.6426, 0.4308, 0.4096

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.



41.2595, 0.3486, 0.4514



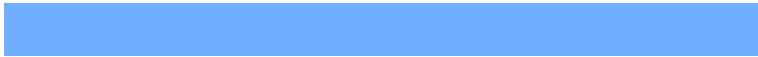
41.2595, 0.2198, 0.2271



41.2595, 0.4416, 0.3942

Square

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



41.2595, 0.2198, 0.2271



41.2595, 0.3976, 0.2953



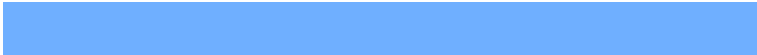
41.2595, 0.4068, 0.4358



41.2595, 0.2305, 0.3597

Rectangle

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



41.2595, 0.2198, 0.2271



41.2595, 0.3088, 0.2453



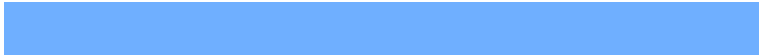
41.2595, 0.4068, 0.4358



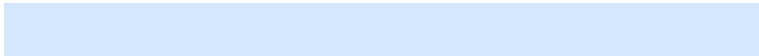
41.2595, 0.3052, 0.4379

Sweetspot

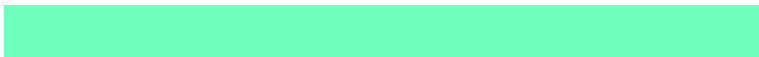
The Sweet Spot groups the original color and five complimentary colors.



41.2593, 0.2198, 0.2271



78.2764, 0.2857, 0.3037



78.6217, 0.2695, 0.4105



16.2564, 0.2824, 0.3004



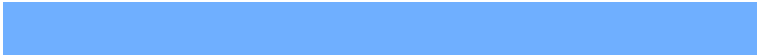
0.0000, 0.0000, 0.0000



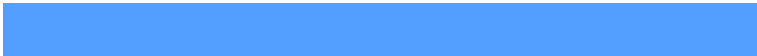
21.4041, 0.3127, 0.3290

Same Dimension

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



41.2593, 0.2198, 0.2271



33.6927, 0.2028, 0.2019



22.4400, 0.2068, 0.1487



18.7074, 0.2979, 0.3154



10.2772, 0.1721, 0.1394



1.2145, 0.1781, 0.1612

Inverse Universe

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



35.7133, 0.4050, 0.2647



29.7276, 0.4352, 0.2564



92.5860, 0.3889, 0.4660



18.1213, 0.3224, 0.3185



11.7655, 0.5199, 0.2637



1.1671, 0.4916, 0.2482

Previews

White Background



This preview shows how the Yxy color 41.2595, 0.2198, 0.2271 looks on a white background.

Color Contrast Check

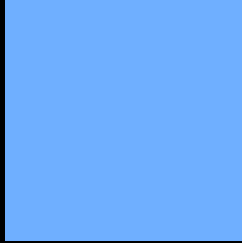
Large Text (above 18pt) WCAG AA × Fail

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 41.2595, 0.2198, 0.2271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

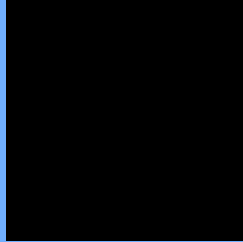
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

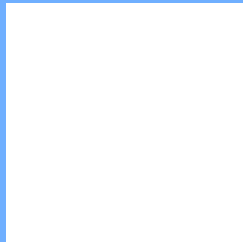
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.2595, 0.2198, 0.2271

Background



This preview shows how black text looks on a background with the Yxy color 41.2595, 0.2198, 0.2271.



This preview shows how white text looks on a background with the Yxy color 41.2595, 0.2198, 0.2271.

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

41.2595, 0.2198, 0.2271

Protanopia

40.9271, 0.2386, 0.2274

Deuteranopia

40.9560, 0.2296, 0.2234



Tritanopia

41.5085, 0.2387, 0.3066

Trichromacy



Original Color

41.2595, 0.2198, 0.2271

Protanomaly

41.1406, 0.2313, 0.2276

Deuteranomaly

41.0850, 0.2258, 0.2249

Tritanomaly

41.2730, 0.2311, 0.2740

Monochromacy



Original Color

41.2595, 0.2198, 0.2271

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.4729, 0.2701, 0.2882

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.2595, 0.2198, 0.2271 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(111, 175, 255)` looks like.

```
.text, #text, p{  
    color:rgb(111, 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(111, 175, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 175, 255) }
```

Border

The CSS property to change the border of an element to Yxy 41.2595, 0.2198, 0.2271 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(111, 175, 255) }
```

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

```
.border{ border-color:rgb(111, 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(111, 175, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 175, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 175, 255);  
box-shadow:4px 4px 4px 4px rgb(111, 175,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 41.2595, 0.2198, 0.2271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 175, 255) }
```

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

```
.background{ background-color: rgb(111,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor