

Converting Colors

$Yxy(41.4479, 0.2101, 0.2304)$

Have a look what the booklet for
Yxy(41.4479, 0.2101, 0.2304)
contains.

Yxy(41.2992, 0.2101, 0.2299)	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(41.2992, 0.2101, 0.2299)

Conversions

Conversions Part 1

Format	Color
Hex	53B3FF
RGB	83, 179, 255
RGB Percent	33%, 70%, 100%
CMY	0.6742, 0.2981, 0.0000
CMYK	0.67, 0.30, 0.00, 0.00
HSL	207°, 100%, 66%
HSV	207°, 67%, 100%
XYZ	37.7423, 41.2992, 100.5983
YIQ	158.9600, -81.6120, 3.2840

Conversions

Conversions Part 2

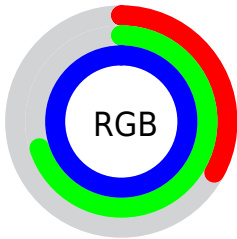
Format	Color
R _Y B	83, 145, 255
Decimal	5485567
CIE Lab	70.39, -4.84, -45.85
CIE LCh	70, 46.108, 263.973
Yxy	41.2992, 0.2101, 0.2299
Android (android.graphics.Color)	4283675647 (0xFF53B3FF)
YUV	158.9600, 47.3477, -66.6169
Hunter-Lab	64.2645, -7.6303, -47.8263

Details

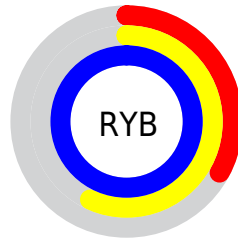
The Yxy color **41.2992, 0.2101, 0.2299** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **46.7068, 0.4751, 0.4019**, and the grayscale version is **34.4671, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.9326, 0.2515, 0.3059**, and **19.2560, 0.1907, 0.2065** is the 20% darker color. If you saturate the color by 10%, you get **36.0092, 0.1989, 0.2124**, and if you desaturate by 10%, it is **47.3864, 0.2232, 0.2472**.

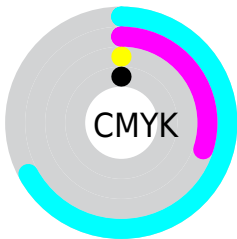
Distribution



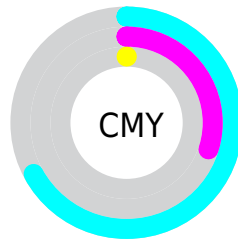
- Red (33%)
- Green (70%)
- Blue (100%)



- Red (33%)
- Yellow (57%)
- Blue (100%)



- Cyan (67%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)




- Cyan (67%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.2992, 0.2101, 0.2299 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 41.2992, 0.2101, 0.2299 by changing the saturation by 10% instead.


 41.2992, 0.2101,
0.2299


 41.2992, 0.2101,
0.2299


351.5696, 0.2596,
0.2784


 28.5529, 0.1986,
0.2185


 77.1379, 0.2275,
0.2471

 18.7429, 0.1845,
0.2043


 100.9991, 0.2342,
0.2537

 11.4846, 0.1668,
0.1864


 129.3341, 0.2400,
0.2593

 6.3938, 0.1442,
0.1633

 162.5273, 0.2449,
0.2642

 3.0860, 0.1152,
0.1331

200.9630, 0.2493,
0.2684

 1.1768, 0.0783,
0.0939

245.0257, 0.2531,

 0.0426, 0.0000,

0.2722

0.0076

295.0998, 0.2566,
0.2755

0.0000, 0.0000,
0.0000

41.2992, 0.2101,
0.2299

41.2992, 0.2101,
0.2299

36.0092, 0.1989,
0.2124

47.3864, 0.2232,
0.2472

31.4560, 0.1900,
0.1952

54.3191, 0.2377,
0.2640

27.5671, 0.1833,
0.1787

62.1431, 0.2532,
0.2799

26.6474, 0.1818,
0.1745

70.8996, 0.2692,
0.2948

80.6266, 0.2853,
0.3084

■ 91.3599, 0.3012,
0.3207

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.



41.2992, 0.1949, 0.2573



41.2992, 0.2101, 0.2299



41.2992, 0.2503, 0.2273

Triad

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



41.2992, 0.2101, 0.2299



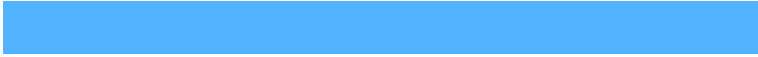
41.2992, 0.4315, 0.3291



41.2992, 0.3026, 0.4370

Complementary

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



41.2992, 0.2101, 0.2299



46.7068, 0.4751, 0.4019

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.



41.2992, 0.3674, 0.4513



41.2992, 0.2101, 0.2299



41.2992, 0.4459, 0.3799

Square

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



41.2992, 0.2101, 0.2299



41.2992, 0.3799, 0.2821



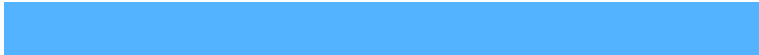
41.2992, 0.4206, 0.4257



41.2992, 0.2439, 0.3807

Rectangle

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



41.2992, 0.2101, 0.2299



41.2992, 0.2893, 0.2376



41.2992, 0.4206, 0.4257



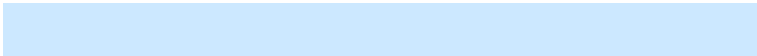
41.2992, 0.3245, 0.4470

Sweetspot

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



41.2999, 0.2101, 0.2299



78.0269, 0.2812, 0.3050



75.8159, 0.2744, 0.4576



16.1098, 0.2766, 0.3012



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.



41.2999, 0.2101, 0.2299



34.2999, 0.1955, 0.2062



17.1619, 0.1842, 0.1231



19.0589, 0.2979, 0.3182



14.2266, 0.1826, 0.1772



1.6031, 0.1878, 0.1960

Inverse Universe

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



30.7112, 0.4068, 0.2381



26.0801, 0.4355, 0.2318



86.3091, 0.4117, 0.4736



18.1568, 0.3206, 0.3158



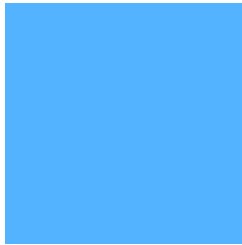
12.1641, 0.4719, 0.2373



1.2064, 0.4499, 0.2252

Previews

White Background



This preview shows how the Yxy color 41.2992, 0.2101, 0.2299 looks on a white background.

Color Contrast Check

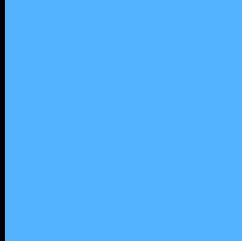
Large Text (above 18pt) WCAG AA × Fail

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 41.2992, 0.2101, 0.2299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

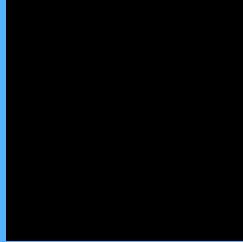
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

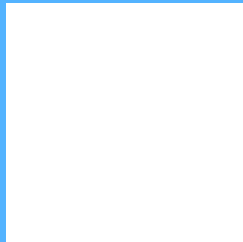
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.2992, 0.2101, 0.2299

Background



This preview shows how black text looks on a background with the Yxy color 41.2992, 0.2101, 0.2299.

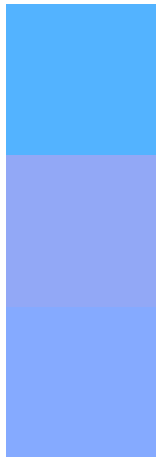


This preview shows how white text looks on a background with the Yxy color 41.2992, 0.2101, 0.2299.

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

41.2992, 0.2101, 0.2299

Protanopia

40.7701, 0.2413, 0.2315

Deuteranopia

40.9560, 0.2296, 0.2234



Tritanopia

41.4329, 0.2247, 0.3061

Trichromacy



Original Color

41.2992, 0.2101, 0.2299

Protanomaly

40.5556, 0.2275, 0.2305

Deuteranomaly

40.7520, 0.2211, 0.2249

Tritanomaly

41.0498, 0.2181, 0.2742

Monochromacy



Original Color

41.2992, 0.2101, 0.2299

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.9928, 0.2619, 0.2880

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.2992, 0.2101, 0.2299 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(83, 179, 255)` looks like.

```
.text, #text, p{  
    color:rgb(83, 179, 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(83, 179, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 179, 255) }
```

Border

The CSS property to change the border of an element to Yxy 41.2992, 0.2101, 0.2299 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(83, 179, 255) }
```

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

```
.border{ border-color:rgb(83, 179, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 179, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 179, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 179, 255);  
box-shadow:4px 4px 4px 4px rgb(83, 179,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 41.2992, 0.2101, 0.2299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 179, 255) }
```

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

```
.background{ background-color: rgb(83, 179,  
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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