

Converting Colors

$Y_{xy}(40.2422, 0.2101, 0.2260)$

Have a look what the booklet for
Yxy(40.2422, 0.2101, 0.2260)
contains.

Yxy(40.2491, 0.2101, 0.2260)	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(40.2491, 0.2101, 0.2260)

Conversions

Conversions Part 1

Format	Color
Hex	56B0FF
RGB	86, 176, 255
RGB Percent	34%, 69%, 100%
CMY	0.6627, 0.3098, 0.0000
CMYK	0.66, 0.31, 0.00, 0.00
HSL	208°, 100%, 67%
HSV	208°, 66%, 100%
XYZ	37.4174, 40.2491, 100.4268
YIQ	158.0960, -78.9990, 5.4890

Conversions

Conversions Part 2

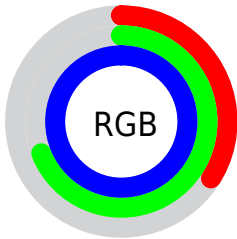
Format	Color
R _Y B	86, 145, 255
Decimal	5681407
CIE Lab	69.65, -2.72, -47.02
CIE LCh	70, 47.094, 266.694
Yxy	40.2491, 0.2101, 0.2260
Android (android.graphics.Color)	4283871487 (0xFF56B0FF)
YUV	158.0960, 47.7737, -63.2282
Hunter-Lab	63.4422, -5.7467, -49.4446

Details

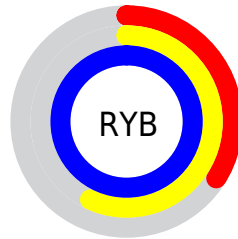
The Yxy color **40.2491, 0.2101, 0.2260** is a light color, and the websafe version is hex **0099FF**. The color can be described as light muted azure. A complement of this color would be **48.8524, 0.4679, 0.4054**, and the grayscale version is **34.0460, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.9511, 0.2522, 0.3013**, and **18.4925, 0.1892, 0.2011** is the 20% darker color. If you saturate the color by 10%, you get **34.7744, 0.1983, 0.2075**, and if you desaturate by 10%, it is **46.5652, 0.2238, 0.2444**.

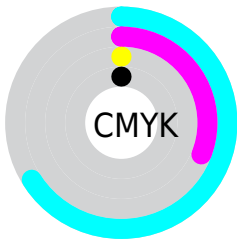
Distribution



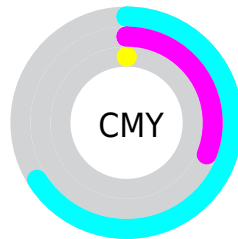
- Red (34%)
- Green (69%)
- Blue (100%)



- Red (34%)
- Yellow (57%)
- Blue (100%)



- Cyan (66%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)





- Cyan (66%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2491, 0.2101, 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 40.2491, 0.2101, 0.2260 by changing the saturation by 10% instead.


 40.2491, 0.2101,
0.2260

 40.2491, 0.2101,
0.2260


347.1724, 0.2598,
0.2763


 27.7328, 0.1985,
0.2142


 75.5427, 0.2276,
0.2438


 18.1243, 0.1843,
0.1996


 99.0888, 0.2343,
0.2506

 11.0393, 0.1664,
0.1811


 127.0803, 0.2401,
0.2565

 6.0933, 0.1436,
0.1575

 159.9015, 0.2451,
0.2615

 2.9019, 0.1142,
0.1268

197.9370, 0.2495,
0.2659

 1.0807, 0.0771,
0.0874

241.5710, 0.2534,

 0.0000, 0.0000,

0.2698

0.0000

291.1880, 0.2568,
0.2733

■ 40.2491, 0.2101,
0.2260

■ 40.2491, 0.2101,
0.2260

■ 34.7744, 0.1983,
0.2075

■ 46.5652, 0.2238,
0.2444

■ 30.0834, 0.1888,
0.1893

■ 53.7752, 0.2388,
0.2621

■ 26.1046, 0.1816,
0.1719

■ 61.9250, 0.2546,
0.2789

■ 24.7654, 0.1793,
0.1656

■ 71.0568, 0.2709,
0.2945

■ 81.2099, 0.2871,
0.3087

■ 92.4211, 0.3030,
0.3216

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.



40.2491, 0.1922, 0.2515



40.2491, 0.2101, 0.2260



40.2491, 0.2534, 0.2256

Triad

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



40.2491, 0.2101, 0.2260



40.2491, 0.4382, 0.3335



40.2491, 0.2961, 0.4369

Complementary

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



40.2491, 0.2101, 0.2260



48.8524, 0.4679, 0.4054

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.



40.2491, 0.3629, 0.4557



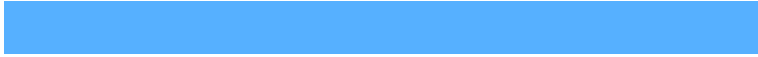
40.2491, 0.2101, 0.2260



40.2491, 0.4489, 0.3855

Square

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



40.2491, 0.2101, 0.2260



40.2491, 0.3878, 0.2848



40.2491, 0.4194, 0.4317



40.2491, 0.2373, 0.3757

Rectangle

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



40.2491, 0.2101, 0.2260



40.2491, 0.2945, 0.2374



40.2491, 0.4194, 0.4317



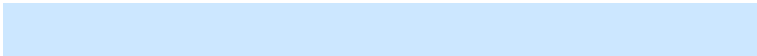
40.2491, 0.3184, 0.4487

Sweetspot

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



40.2487, 0.2101, 0.2260



77.2962, 0.2811, 0.3036



76.2118, 0.2722, 0.4473



15.9347, 0.2765, 0.2996



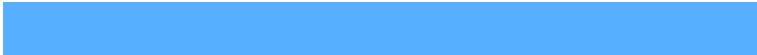
0.0000, 0.0000, 0.0000



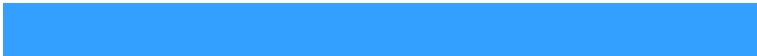
21.4041, 0.3127, 0.3290

Same Dimension

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



40.2487, 0.2101, 0.2260



32.9343, 0.1945, 0.2007



16.7944, 0.1848, 0.1208



18.9794, 0.2979, 0.3176



13.2424, 0.1801, 0.1684



1.5082, 0.1856, 0.1880

Inverse Universe

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



31.0538, 0.4102, 0.2431



26.1525, 0.4412, 0.2368



89.9110, 0.4071, 0.4759



18.1488, 0.3210, 0.3164



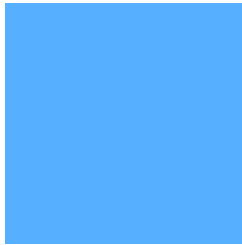
12.0648, 0.4827, 0.2433



1.1968, 0.4591, 0.2303

Previews

White Background



This preview shows how the Yxy color 40.2491, 0.2101, 0.2260 looks on a white background.

Color Contrast Check

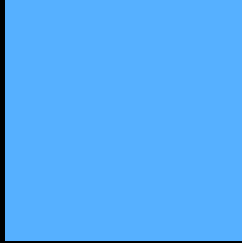
Large Text (above 18pt) WCAG AA × Fail

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 40.2491, 0.2101, 0.2260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

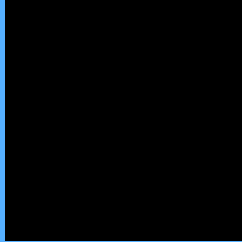
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

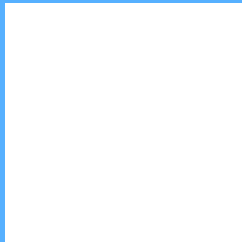
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.2491, 0.2101, 0.2260

Background



This preview shows how black text looks on a background with the Yxy color 40.2491, 0.2101, 0.2260.

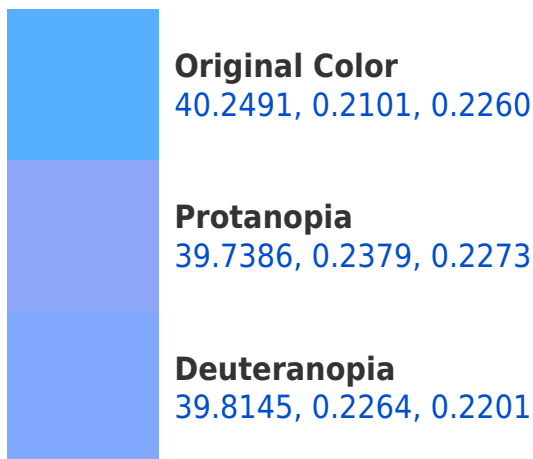


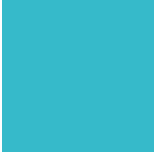
This preview shows how white text looks on a background with the Yxy color 40.2491, 0.2101, 0.2260.

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





Tritanopia

40.1663, 0.2254, 0.3044

Trichromacy



Original Color

40.2491, 0.2101, 0.2260

Protanomaly

39.7892, 0.2260, 0.2267

Deuteranomaly

39.8565, 0.2196, 0.2220

Tritanomaly

39.8346, 0.2190, 0.2723

Monochromacy



Original Color

40.2491, 0.2101, 0.2260

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.6661, 0.2631, 0.2879

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2491, 0.2101, 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(86, 176, 255)` looks like.

```
.text, #text, p{  
    color:rgb(86, 176, 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(86, 176, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 176, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.2491, 0.2101, 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(86, 176, 255) }
```

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

```
.border{ border-color:rgb(86, 176, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 176, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 176, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 176, 255);  
box-shadow:4px 4px 4px 4px rgb(86, 176,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2491, 0.2101, 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(86, 176, 255) }
```

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

```
.background{ background-color: rgb(86, 176,  
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