

Converting Colors

$Y_{xy}(41.0582, 0.2161, 0.2274)$

Have a look what the booklet for
Yxy(41.0582, 0.2161, 0.2274)
contains.

Yxy(41.0954, 0.2162, 0.2275)	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(41.0954, 0.2162, 0.2275)

Conversions

Conversions Part 1

Format	Color
Hex	66B0FF
RGB	102, 176, 255
RGB Percent	40%, 69%, 100%
CMY	0.6001, 0.3098, 0.0000
CMYK	0.60, 0.31, 0.00, 0.00
HSL	211°, 100%, 70%
HSV	211°, 60%, 100%
XYZ	39.0542, 41.0954, 100.4895
YIQ	162.8800, -69.4630, 8.8810

Conversions

Conversions Part 2

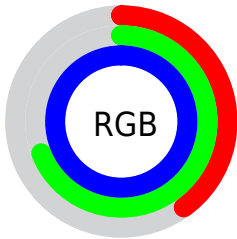
Format	Color
RYB	102, 152, 255
Decimal	6729983
CIELab	70.24, -0.02, -46.03
CIELCh	70, 46.029, 269.977
Yxy	41.0954, 0.2162, 0.2275
Android (android.graphics.Color)	4284920063 (0xFF66B0FF)
YUV	162.8800, 45.4152, -53.3918
Hunter-Lab	64.1057, -3.4400, -48.0667

Details

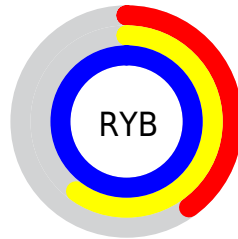
The Yxy color **41.0954, 0.2162, 0.2275** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **55.2596, 0.4440, 0.4079**, and the grayscale version is **36.3716, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.1584, 0.2581, 0.3017**, and **18.6631, 0.1917, 0.2018** is the 20% darker color. If you saturate the color by 10%, you get **34.9137, 0.2025, 0.2071**, and if you desaturate by 10%, it is **48.2373, 0.2315, 0.2475**.

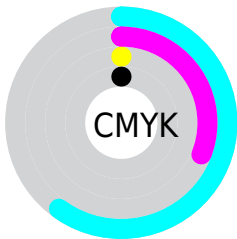
Distribution



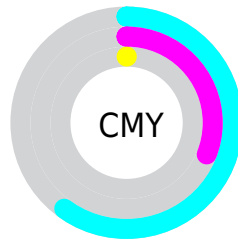
- Red (40%)
- Green (69%)
- Blue (100%)



- Red (40%)
- Yellow (60%)
- Blue (100%)



- Cyan (60%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.0954, 0.2162, 0.2275 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 41.0954, 0.2162, 0.2275 by changing the saturation by 10% instead.

■ 41.0954, 0.2162,
0.2275

■ 41.0954, 0.2162,
0.2275

350.7192, 0.2631,
0.2768

■ 28.3936, 0.2052,
0.2160

■ 76.8287, 0.2327,
0.2449

■ 18.6226, 0.1917,
0.2017

■ 100.6290, 0.2391,
0.2516

■ 11.3979, 0.1746,
0.1838

■ 128.8976, 0.2445,
0.2573

■ 6.3351, 0.1527,
0.1607

162.0190, 0.2493,
0.2623

■ 3.0499, 0.1242,
0.1307

200.3774, 0.2534,
0.2666

■ 1.1578, 0.0872,
0.0918

244.3573, 0.2570,

■ 0.0269, 0.0045,

0.2704

0.0048

294.3431, 0.2602,
0.2738

0.0000, 0.0000,
0.0000

41.0954, 0.2162,
0.2275

41.0954, 0.2162,
0.2275

34.9137, 0.2025,
0.2071

48.2373, 0.2315,
0.2475

29.6323, 0.1908,
0.1868

56.3887, 0.2477,
0.2666

25.1850, 0.1816,
0.1673

65.5977, 0.2643,
0.2845

21.4733, 0.1747,
0.1490

75.9078, 0.2809,
0.3009

87.3600, 0.2971,
0.3157

99.9928, 0.3127,
0.3290

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.



41.0954, 0.1959, 0.2497



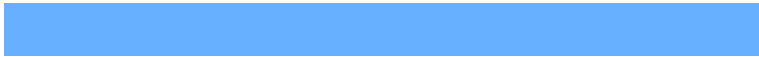
41.0954, 0.2162, 0.2275



41.0954, 0.2611, 0.2294

Triad

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



41.0954, 0.2162, 0.2275



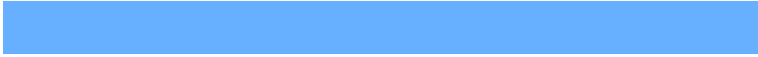
41.0954, 0.4377, 0.3392



41.0954, 0.2898, 0.4285

Complementary

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



41.0954, 0.2162, 0.2275



55.2596, 0.4440, 0.4079

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.



41.0954, 0.3548, 0.4522



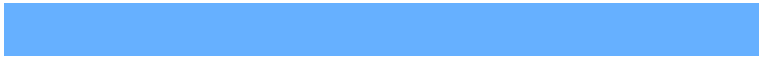
41.0954, 0.2162, 0.2275



41.0954, 0.4437, 0.3898

Square

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



41.0954, 0.2162, 0.2275



41.0954, 0.3924, 0.2908



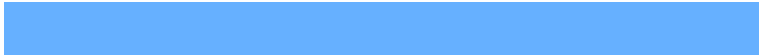
41.0954, 0.4117, 0.4331



41.0954, 0.2344, 0.3666

Rectangle

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



41.0954, 0.2162, 0.2275



41.0954, 0.3024, 0.2425



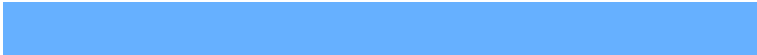
41.0954, 0.4117, 0.4331



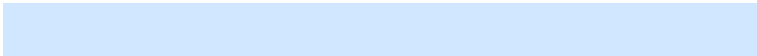
41.0954, 0.3113, 0.4416

Sweetspot

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



41.0962, 0.2162, 0.2275



78.1117, 0.2842, 0.3040



77.5782, 0.2715, 0.4271



16.0379, 0.2794, 0.2994



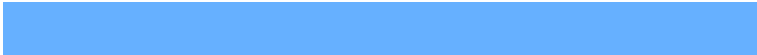
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



41.0962, 0.2162, 0.2275



33.7904, 0.2000, 0.2030



19.5440, 0.1954, 0.1351



18.8280, 0.2979, 0.3164



11.5162, 0.1756, 0.1520



1.3389, 0.1814, 0.1730

Inverse Universe

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



33.8948, 0.4062, 0.2558



28.3631, 0.4359, 0.2478



93.7390, 0.3978, 0.4696



18.1335, 0.3218, 0.3176



11.8905, 0.5034, 0.2547



1.1797, 0.4770, 0.2401

Previews

White Background



This preview shows how the Yxy color 41.0954, 0.2162, 0.2275 looks on a white background.

Color Contrast Check

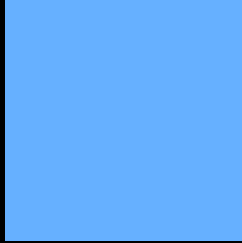
Large Text (above 18pt) WCAG AA × Fail

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 41.0954, 0.2162, 0.2275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

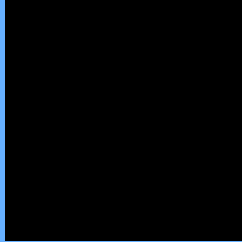
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

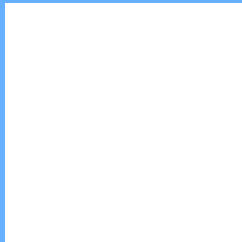
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.0954, 0.2162, 0.2275

Background



This preview shows how black text looks on a background with the Yxy color 41.0954, 0.2162, 0.2275.



This preview shows how white text looks on a background with the Yxy color 41.0954, 0.2162, 0.2275.

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

41.0954, 0.2162, 0.2275

Protanopia

40.7119, 0.2390, 0.2292

Deuteranopia

40.8750, 0.2291, 0.2232



Tritanopia

40.9546, 0.2337, 0.3063

Trichromacy



Original Color

41.0954, 0.2162, 0.2275

Protanomaly

40.7580, 0.2295, 0.2280

Deuteranomaly

40.7900, 0.2238, 0.2243

Tritanomaly

40.7026, 0.2264, 0.2734

Monochromacy



Original Color

41.0954, 0.2162, 0.2275

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.6535, 0.2683, 0.2891

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.0954, 0.2162, 0.2275 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(102, 176, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 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(102, 176, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 176, 255) }
```

Border

The CSS property to change the border of an element to Yxy 41.0954, 0.2162, 0.2275 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(102, 176, 255) }
```

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

```
.border{ border-color:rgb(102, 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(102, 176, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 176, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 176, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 176,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 41.0954, 0.2162, 0.2275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 176, 255) }
```

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

```
.background{ background-color: rgb(102,  
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