

Converting Colors

$Y_{xy}(41.4560, 0.2145, 0.2172)$

Have a look what the booklet for
Yxy(41.4560, 0.2145, 0.2172)
contains.

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Color

Yxy(40.6802, 0.2182, 0.2255)

Conversions

Conversions Part 1

Format	Color
Hex	6CAEFF
RGB	108, 174, 255
RGB Percent	42%, 68%, 100%
CMY	0.5766, 0.3176, 0.0001
CMYK	0.58, 0.32, 0.00, 0.00
HSL	213°, 100%, 71%
HSV	213°, 58%, 100%
XYZ	39.3633, 40.6802, 100.3565
YIQ	163.5000, -65.3370, 11.1990

Conversions

Conversions Part 2

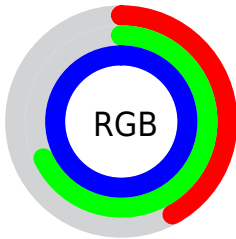
Format	Color
RYB	108, 154, 255
Decimal	7122687
CIELab	69.95, 2.22, -46.45
CIELCh	70, 46.498, 272.732
Yxy	40.6802, 0.2182, 0.2255
Android (android.graphics.Color)	4285312767 (0xFF6CAEFF)
YUV	163.5000, 45.1095, -48.6735
Hunter-Lab	63.7810, -1.4532, -48.6434

Details

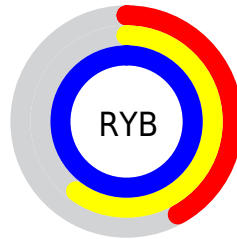
The Yxy color **40.6802, 0.2182, 0.2255** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **58.7018, 0.4342, 0.4103**, and the grayscale version is **36.6784, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.5835, 0.2604, 0.2996**, and **18.3896, 0.1940, 0.1992** is the 20% darker color. If you saturate the color by 10%, you get **34.1647, 0.2036, 0.2038**, and if you desaturate by 10%, it is **48.2330, 0.2342, 0.2467**.

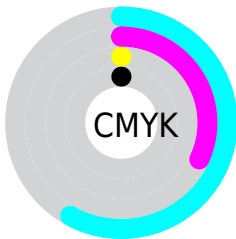
Distribution



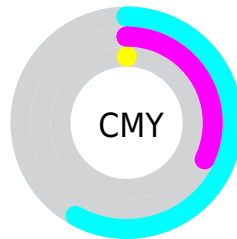
- Red (42%)
- Green (68%)
- Blue (100%)



- Red (42%)
- Yellow (60%)
- Blue (100%)



- Cyan (58%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)





- Cyan (58%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6802, 0.2182, 0.2255 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 40.6802, 0.2182, 0.2255 by changing the saturation by 10% instead.


 40.6802, 0.2182,
0.2255


 40.6802, 0.2182,
0.2255


348.9822, 0.2643,
0.2756

 28.0693, 0.2074,
0.2138


 76.1982, 0.2345,
0.2431

 18.3779, 0.1940,
0.1994


 99.8741, 0.2407,
0.2499

 11.2216, 0.1771,
0.1813


 128.0070, 0.2461,
0.2558

 6.2161, 0.1553,
0.1580

160.9815, 0.2507,
0.2608

 2.9769, 0.1268,
0.1279

199.1818, 0.2548,
0.2652

 1.1197, 0.0898,
0.0891

242.9925, 0.2583,

 0.0000, 0.0088,

0.2691

0.0000

292.7978, 0.2615,
0.2725

0.0000, 0.0000,
0.0000

40.6802, 0.2182,
0.2255

40.6802, 0.2182,
0.2255

34.1647, 0.2036,
0.2038

48.2330, 0.2342,
0.2467

28.6229, 0.1909,
0.1821

56.8725, 0.2510,
0.2669

23.9884, 0.1807,
0.1614

66.6493, 0.2679,
0.2857

20.1766, 0.1732,
0.1422

77.6091, 0.2847,
0.3028

19.3757, 0.1716,
0.1379

89.7949, 0.3009,
0.3183

99.9979, 0.3127,
0.3290

Harmonies

Analogous

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



40.6802, 0.1954, 0.2455



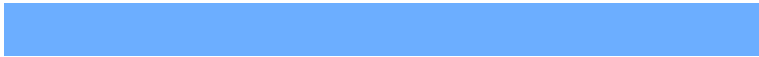
40.6802, 0.2182, 0.2255



40.6802, 0.2657, 0.2296

Triad

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



40.6802, 0.2182, 0.2255



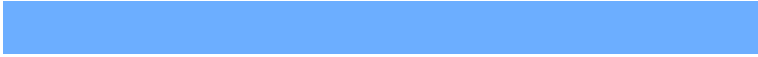
40.6802, 0.4417, 0.3439



40.6802, 0.2836, 0.4255

Complementary

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



40.6802, 0.2182, 0.2255



58.7018, 0.4342, 0.4103

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.



40.6802, 0.3493, 0.4537



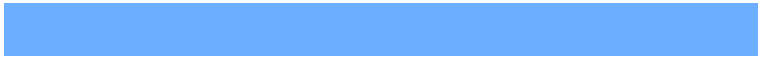
40.6802, 0.2182, 0.2255



40.6802, 0.4439, 0.3949

Square

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



40.6802, 0.2182, 0.2255



40.6802, 0.3990, 0.2945



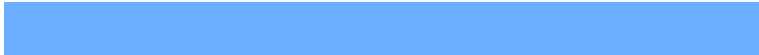
40.6802, 0.4084, 0.4375



40.6802, 0.2292, 0.3604

Rectangle

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



40.6802, 0.2182, 0.2255



40.6802, 0.3085, 0.2439



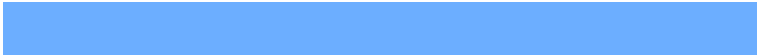
40.6802, 0.4084, 0.4375



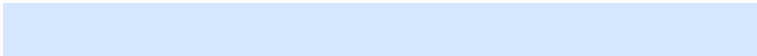
40.6802, 0.3051, 0.4402

Sweetspot

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



40.6816, 0.2182, 0.2255



78.3870, 0.2858, 0.3039



78.3521, 0.2690, 0.4125



16.2824, 0.2824, 0.3006



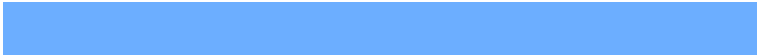
0.0000, 0.0000, 0.0000



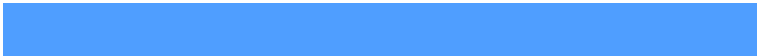
21.4041, 0.3127, 0.3290

Same Dimension

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



40.6816, 0.2182, 0.2255



33.3708, 0.2017, 0.2008



21.6052, 0.2045, 0.1447



18.7215, 0.2979, 0.3156



10.4153, 0.1725, 0.1409



1.2285, 0.1785, 0.1626

Inverse Universe

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



35.0306, 0.4071, 0.2630



29.3311, 0.4369, 0.2552



92.4678, 0.3901, 0.4683



18.1227, 0.3223, 0.3184



11.7794, 0.5179, 0.2627



1.1686, 0.4899, 0.2472

Previews

White Background



This preview shows how the Yxy color 40.6802, 0.2182, 0.2255 looks on a white background.

Color Contrast Check

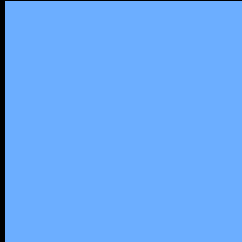
Large Text (above 18pt) WCAG AA × Fail

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 40.6802, 0.2182, 0.2255 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

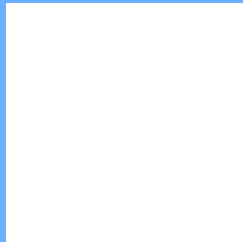
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.6802, 0.2182, 0.2255

Background



This preview shows how black text looks on a background with the Yxy color 40.6802, 0.2182, 0.2255.



This preview shows how white text looks on a background with the Yxy color 40.6802, 0.2182, 0.2255.

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

40.6802, 0.2182, 0.2255

Protanopia

40.3166, 0.2377, 0.2268

Deuteranopia

40.4212, 0.2283, 0.2218



Tritanopia

40.7993, 0.2367, 0.3064

Trichromacy



Original Color

40.6802, 0.2182, 0.2255

Protanomaly

40.4603, 0.2298, 0.2268

Deuteranomaly

40.5568, 0.2245, 0.2233

Tritanomaly

40.5422, 0.2291, 0.2735

Monochromacy



Original Color

40.6802, 0.2182, 0.2255

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.4626, 0.2697, 0.2878

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6802, 0.2182, 0.2255 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(108, 174, 255)` looks like.

```
.text, #text, p{  
    color:rgb(108, 174, 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(108, 174, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 174, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.6802, 0.2182, 0.2255 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(108, 174, 255) }
```

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

```
.border{ border-color:rgb(108, 174, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 174, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 174, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 174, 255);  
box-shadow:4px 4px 4px 4px rgb(108, 174,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6802, 0.2182, 0.2255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 174, 255) }
```

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

```
.background{ background-color: rgb(108,  
174, 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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