

Converting Colors

$Y_{xy}(40.3582, 0.2156, 0.2250)$

Have a look what the booklet for
Yxy(40.3582, 0.2156, 0.2250)
contains.

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Color

Yxy(40.3169, 0.2156, 0.2248)

Conversions

Conversions Part 1

Format	Color
Hex	66AEFF
RGB	102, 174, 255
RGB Percent	40%, 68%, 100%
CMY	0.6000, 0.3176, 0.0000
CMYK	0.60, 0.32, 0.00, 0.00
HSL	212°, 100%, 70%
HSV	212°, 60%, 100%
XYZ	38.6669, 40.3169, 100.3618
YIQ	161.7060, -68.9130, 9.9270

Conversions

Conversions Part 2

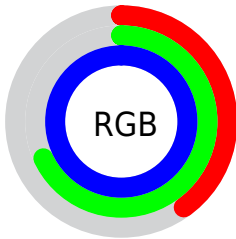
Format	Color
RYB	102, 151, 255
Decimal	6729471
CIELab	69.69, 1.11, -46.89
CIElCh	70, 46.904, 271.358
Yxy	40.3169, 0.2156, 0.2248
Android (android.graphics.Color)	4284919551 (0xFF66AEFF)
YUV	161.7060, 45.9939, -52.3622
Hunter-Lab	63.4956, -2.4161, -49.2675

Details

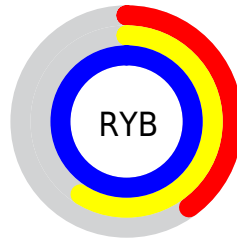
The Yxy color **40.3169, 0.2156, 0.2248** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **56.0886, 0.4426, 0.4098**, and the grayscale version is **35.7927, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.0452, 0.2578, 0.2994**, and **18.1669, 0.1907, 0.1982** is the 20% darker color. If you saturate the color by 10%, you get **34.0927, 0.2017, 0.2039**, and if you desaturate by 10%, it is **47.5246, 0.2311, 0.2453**.

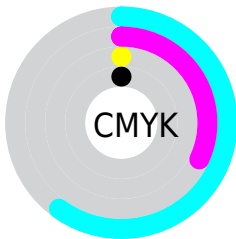
Distribution



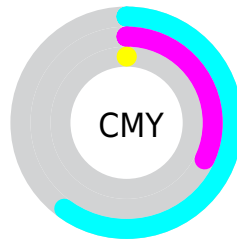
- Red (40%)
- Green (68%)
- Blue (100%)



- Red (40%)
- Yellow (59%)
- Blue (100%)



- Cyan (60%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.3169, 0.2156, 0.2248 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 40.3169, 0.2156, 0.2248 by changing the saturation by 10% instead.


 40.3169, 0.2156,
0.2248


 40.3169, 0.2156,
0.2248


347.4575, 0.2629,
0.2754

 27.7857, 0.2045,
0.2130


 75.6458, 0.2323,
0.2426

 18.1642, 0.1908,
0.1984


 99.2124, 0.2387,
0.2495

 11.0679, 0.1735,
0.1801


 127.2262, 0.2442,
0.2554

 6.1125, 0.1514,
0.1566

160.0716, 0.2490,
0.2605

 2.9136, 0.1225,
0.1262

198.1330, 0.2531,
0.2649

 1.0868, 0.0853,
0.0871

241.7949, 0.2568,

 0.0000, 0.0000,

0.2688

0.0000

291.4416, 0.2600,
0.2723

■ 40.3169, 0.2156,
0.2248

■ 40.3169, 0.2156,
0.2248

■ 34.0927, 0.2017,
0.2039

■ 47.5246, 0.2311,
0.2453

■ 28.7913, 0.1898,
0.1831

■ 55.7668, 0.2474,
0.2650

■ 24.3453, 0.1805,
0.1632

■ 65.0925, 0.2642,
0.2833

■ 20.6527, 0.1735,
0.1447

■ 75.5463, 0.2809,
0.3001

■ 20.6519, 0.1735,
0.1447

■ 87.1700, 0.2971,
0.3154

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.



40.3169, 0.1938, 0.2461



40.3169, 0.2156, 0.2248



40.3169, 0.2625, 0.2279

Triad

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



40.3169, 0.2156, 0.2248



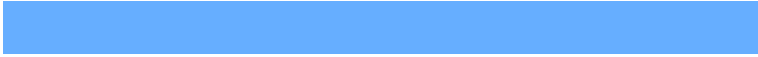
40.3169, 0.4421, 0.3415



40.3169, 0.2861, 0.4291

Complementary

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



40.3169, 0.2156, 0.2248



56.0886, 0.4426, 0.4098

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.



40.3169, 0.3526, 0.4554



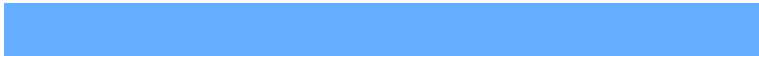
40.3169, 0.2156, 0.2248



40.3169, 0.4461, 0.3931

Square

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



40.3169, 0.2156, 0.2248



40.3169, 0.3972, 0.2920



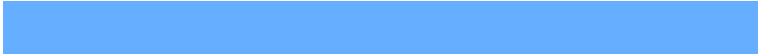
40.3169, 0.4116, 0.4370



40.3169, 0.2303, 0.3642

Rectangle

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



40.3169, 0.2156, 0.2248



40.3169, 0.3052, 0.2418



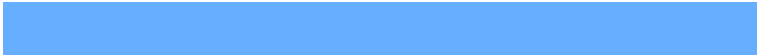
40.3169, 0.4116, 0.4370



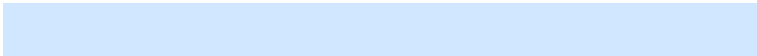
40.3169, 0.3080, 0.4433

Sweetspot

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



40.3175, 0.2156, 0.2248



77.7735, 0.2842, 0.3033



77.6835, 0.2704, 0.4236



15.9556, 0.2794, 0.2987



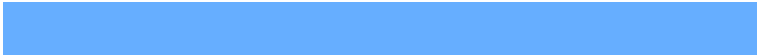
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



40.3175, 0.2156, 0.2248



32.9592, 0.1991, 0.1997



19.7004, 0.1968, 0.1357



18.7873, 0.2979, 0.3161



11.0844, 0.1744, 0.1477



1.2958, 0.1803, 0.1690

Inverse Universe

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



33.8199, 0.4088, 0.2578



28.2792, 0.4394, 0.2502



93.2590, 0.3960, 0.4706



18.1294, 0.3220, 0.3179



11.8469, 0.5089, 0.2577



1.1754, 0.4819, 0.2428

Previews

White Background



This preview shows how the Yxy color 40.3169, 0.2156, 0.2248 looks on a white background.

Color Contrast Check

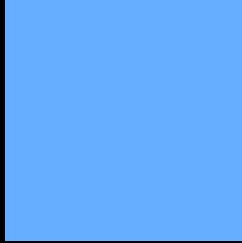
Large Text (above 18pt) WCAG AA × Fail

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 40.3169, 0.2156, 0.2248 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

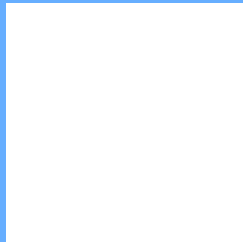
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.3169, 0.2156, 0.2248

Background



This preview shows how black text looks on a background with the Yxy color 40.3169, 0.2156, 0.2248.



This preview shows how white text looks on a background with the Yxy color 40.3169, 0.2156, 0.2248.

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

40.3169, 0.2156, 0.2248

Protanopia

40.2278, 0.2371, 0.2267

Deuteranopia

40.2631, 0.2272, 0.2215



Tritanopia

40.4458, 0.2334, 0.3062

Trichromacy



Original Color

40.3169, 0.2156, 0.2248

Protanomaly

40.2265, 0.2282, 0.2264

Deuteranomaly

40.2678, 0.2225, 0.2228

Tritanomaly

40.1935, 0.2261, 0.2731

Monochromacy



Original Color

40.3169, 0.2156, 0.2248

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.8334, 0.2673, 0.2860

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3169, 0.2156, 0.2248 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, 174, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 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(102, 174, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 174, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.3169, 0.2156, 0.2248 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, 174, 255) }
```

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

```
.border{ border-color:rgb(102, 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(102, 174, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 174, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 174, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 174,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3169, 0.2156, 0.2248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 174, 255) }
```

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

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