

Converting Colors

$Y_{xy}(39.1513, 0.2005, 0.1630)$

Have a look what the booklet for
Yxy(39.1513, 0.2005, 0.1630)
contains.

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Color

Yxy(35.2079, 0.2206, 0.2039)

Conversions

Conversions Part 1

Format	Color
Hex	7B9CFF
RGB	123, 156, 255
RGB Percent	48%, 61%, 100%
CMY	0.5181, 0.3881, 0.0001
CMYK	0.52, 0.39, 0.00, 0.00
HSL	225°, 100%, 74%
HSV	225°, 52%, 100%
XYZ	38.0915, 35.2079, 99.3730
YIQ	157.4190, -51.4470, 23.7930

Conversions

Conversions Part 2

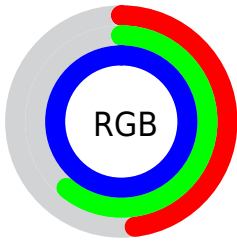
Format	Color
RYB	123, 149, 255
Decimal	8101119
CIELab	65.91, 15.58, -52.77
CIElCh	66, 55.025, 286.444
Yxy	35.2079, 0.2206, 0.2039
Android (android.graphics.Color)	4286291199 (0xFF7B9CFF)
YUV	157.4190, 48.1074, -30.1855
Hunter-Lab	59.3362, 10.7515, -57.7601

Details

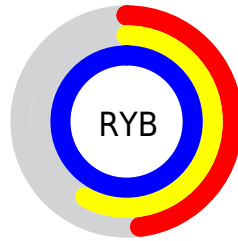
The Yxy color **35.2079, 0.2206, 0.2039** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **74.8383, 0.4047, 0.4273**, and the grayscale version is **33.7042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.2583, 0.2657, 0.2783**, and **15.1725, 0.1956, 0.1728** is the 20% darker color. If you saturate the color by 10%, you get **27.6534, 0.2024, 0.1752**, and if you desaturate by 10%, it is **44.2623, 0.2396, 0.2321**.

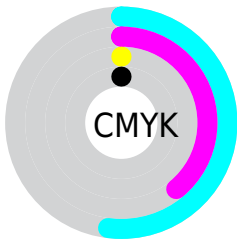
Distribution



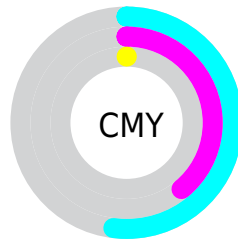
- Red (48%)
- Green (61%)
- Blue (100%)



- Red (48%)
- Yellow (58%)
- Blue (100%)



- Cyan (52%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)





- Cyan (52%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.2079, 0.2206, 0.2039 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 35.2079, 0.2206, 0.2039 by changing the saturation by 10% instead.


 35.2079, 0.2206,
0.2039


 35.2079, 0.2206,
0.2039


325.4850, 0.2668,
0.2637

 23.8231, 0.2095,
0.1903


 67.8077, 0.2372,
0.2248

 15.2024, 0.1956,
0.1736


 89.7915, 0.2435,
0.2329

 8.9616, 0.1779,
0.1530

 116.0770, 0.2488,
0.2398

 4.7161, 0.1550,
0.1272

147.0487, 0.2534,
0.2459

 2.0817, 0.1249,
0.0952

183.0910, 0.2574,
0.2512

 0.6543, 0.0860,
0.0556

224.5882, 0.2610,

 0.0000, 0.0000,

0.2559

0.0000

271.9247, 0.2641,
0.2600

■ 35.2079, 0.2206,
0.2039

■ 35.2079, 0.2206,
0.2039

■ 27.6534, 0.2024,
0.1752

■ 44.2623, 0.2396,
0.2321

■ 21.5093, 0.1861,
0.1473

■ 54.8915, 0.2586,
0.2589

■ 16.6813, 0.1726,
0.1219

■ 67.1696, 0.2769,
0.2836

■ 13.0600, 0.1627,
0.1003

■ 81.1648, 0.2941,
0.3059

■ 10.8817, 0.1573,
0.0861

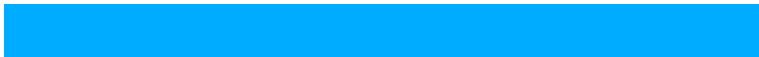
■ 96.9412, 0.3100,
0.3257

99.9983, 0.3127,
0.3290

Harmonies

Analogous

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



35.2079, 0.1807, 0.2126



35.2079, 0.2206, 0.2039



35.2079, 0.2891, 0.2206

Triad

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



35.2079, 0.2206, 0.2039



35.2079, 0.4793, 0.3713



35.2079, 0.2422, 0.4171

Complementary

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



35.2079, 0.2206, 0.2039



74.8383, 0.4047, 0.4273

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.



35.2079, 0.3175, 0.4785



35.2079, 0.2206, 0.2039



35.2079, 0.4563, 0.4311

Square

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



35.2079, 0.2206, 0.2039



35.2079, 0.4497, 0.3115



35.2079, 0.3957, 0.4767



35.2079, 0.1902, 0.3252

Rectangle

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



35.2079, 0.2206, 0.2039



35.2079, 0.3461, 0.2439



35.2079, 0.3957, 0.4767



35.2079, 0.2656, 0.4437

Sweetspot

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



35.2091, 0.2206, 0.2039



75.0923, 0.2870, 0.2968



80.8606, 0.2607, 0.3713



15.4579, 0.2835, 0.2922



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.



35.2091, 0.2206, 0.2039



27.5239, 0.2021, 0.1746



28.2001, 0.2332, 0.1713



18.1181, 0.2979, 0.3107



5.8851, 0.1580, 0.0886



0.7377, 0.1638, 0.1095

Inverse Universe

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



37.7962, 0.4242, 0.2953



31.5846, 0.4606, 0.2910



88.8027, 0.3669, 0.4648



18.0618, 0.3255, 0.3231



11.3221, 0.5933, 0.3042



1.1190, 0.5618, 0.2868

Previews

White Background



This preview shows how the Yxy color 35.2079, 0.2206, 0.2039 looks on a white background.

Color Contrast Check

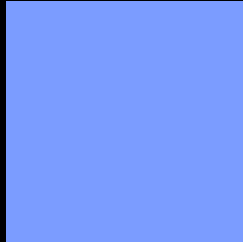
Large Text (above 18pt) WCAG AA × Fail

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 35.2079, 0.2206, 0.2039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

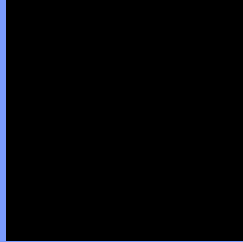
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

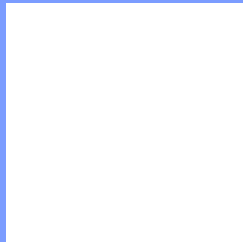
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.2079, 0.2206, 0.2039

Background



This preview shows how black text looks on a background with the Yxy color 35.2079, 0.2206, 0.2039.



This preview shows how white text looks on a background with the Yxy color 35.2079, 0.2206, 0.2039.

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

35.2079, 0.2206, 0.2039

Protanopia

35.1345, 0.2201, 0.2037

Deuteranopia

35.3615, 0.2136, 0.2075



Tritanopia

35.2813, 0.2476, 0.3069

Trichromacy



Original Color

35.2079, 0.2206, 0.2039

Protanomaly

35.1345, 0.2201, 0.2037

Deuteranomaly

35.3968, 0.2162, 0.2070

Tritanomaly

35.1137, 0.2371, 0.2647

Monochromacy



Original Color

35.2079, 0.2206, 0.2039

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

33.9839, 0.2721, 0.2772

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.2079, 0.2206, 0.2039 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(123, 156, 255)` looks like.

```
.text, #text, p{  
    color:rgb(123, 156, 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(123, 156, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 156, 255) }
```

Border

The CSS property to change the border of an element to Yxy 35.2079, 0.2206, 0.2039 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(123, 156, 255) }
```

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

```
.border{ border-color:rgb(123, 156, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 156, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(123, 156, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(123, 156, 255); box-shadow:4px 4px 4px 4px rgb(123, 156, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 35.2079, 0.2206, 0.2039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 156, 255) }
```

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

```
.background{ background-color: rgb(123,  
156, 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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