

Converting Colors

$Yxy(39.8305, 0.2262, 0.2202)$

Have a look what the booklet for
Yxy(39.8305, 0.2262, 0.2202)
contains.

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Color

Yxy(39.8145, 0.2264, 0.2201)

Conversions

Conversions Part 1

Format	Color
Hex	80A8FF
RGB	128, 168, 255
RGB Percent	50%, 66%, 100%
CMY	0.4980, 0.3412, 0.0000
CMYK	0.50, 0.34, 0.00, 0.00
HSL	221°, 100%, 75%
HSV	221°, 50%, 100%
XYZ	40.9541, 39.8145, 100.1242
YIQ	165.9580, -51.7670, 18.5770

Conversions

Conversions Part 2

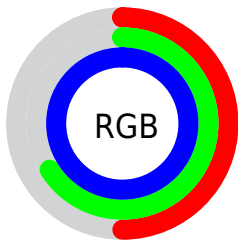
Format	Color
RYB	128, 158, 255
Decimal	8431871
CIELab	69.34, 9.82, -47.35
CIELCh	69, 48.360, 281.713
Yxy	39.8145, 0.2264, 0.2201
Android (android.graphics.Color)	4286621951 (0xFF80A8FF)
YUV	165.9580, 43.8977, -33.2892
Hunter-Lab	63.0987, 5.4323, -49.9114

Details

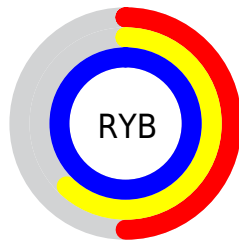
The Yxy color **39.8145, 0.2264, 0.2201** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **71.4178, 0.4051, 0.4167**, and the grayscale version is **37.9168, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.4345, 0.2696, 0.2936**, and **17.7969, 0.2035, 0.1924** is the 20% darker color. If you saturate the color by 10%, you get **32.0579, 0.2088, 0.1936**, and if you desaturate by 10%, it is **48.9371, 0.2447, 0.2457**.

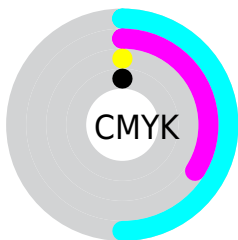
Distribution



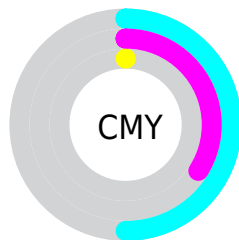
- Red (50%)
- Green (66%)
- Blue (100%)



- Red (50%)
- Yellow (62%)
- Blue (100%)



- Cyan (50%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)





- Cyan (50%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.8145, 0.2264, 0.2201 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 39.8145, 0.2264, 0.2201 by changing the saturation by 10% instead.


 39.8145, 0.2264,
0.2201


 39.8145, 0.2264,
0.2201


345.3411, 0.2690,
0.2723


 27.3939, 0.2163,
0.2081


 74.8810, 0.2416,
0.2384

 17.8693, 0.2036,
0.1933


 98.2956, 0.2474,
0.2454

 10.8562, 0.1875,
0.1748


 126.1438, 0.2523,
0.2515

 5.9702, 0.1666,
0.1513

158.8099, 0.2566,
0.2568

 2.8270, 0.1388,
0.1211

196.6783, 0.2603,
0.2614

 1.0421, 0.1018,
0.0827

240.1334, 0.2635,

 0.0000, 0.0301,

0.2654

0.0000

289.5595, 0.2664,
0.2690

■ 0.0000, 0.0000,
0.0000

■ 39.8145, 0.2264,
0.2201

■ 39.8145, 0.2264,
0.2201

■ 32.0579, 0.2088,
0.1936

■ 48.9371, 0.2447,
0.2457

■ 25.5909, 0.1928,
0.1672

■ 59.4878, 0.2630,
0.2698

■ 20.3348, 0.1791,
0.1421

■ 71.5299, 0.2807,
0.2918

■ 16.1987, 0.1686,
0.1195

■ 85.1211, 0.2974,
0.3117

■ 13.0572, 0.1613,
0.1004

■ 99.9993, 0.3127,
0.3290

■ 13.0014, 0.1611,
0.1001

Harmonies

Analogous

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



39.8145, 0.1949, 0.2327



39.8145, 0.2264, 0.2201



39.8145, 0.2826, 0.2312

Triad

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



39.8145, 0.2264, 0.2201



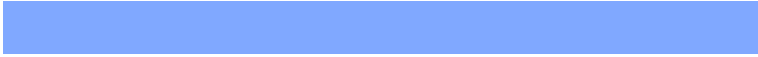
39.8145, 0.4531, 0.3600



39.8145, 0.2630, 0.4128

Complementary

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



39.8145, 0.2264, 0.2201



71.4178, 0.4051, 0.4167

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.



39.8145, 0.3298, 0.4566



39.8145, 0.2264, 0.2201



39.8145, 0.4420, 0.4119

Square

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



39.8145, 0.2264, 0.2201



39.8145, 0.4203, 0.3075



39.8145, 0.3955, 0.4513



39.8145, 0.2131, 0.3390

Rectangle

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



39.8145, 0.2264, 0.2201



39.8145, 0.3300, 0.2499



39.8145, 0.3955, 0.4513



39.8145, 0.2842, 0.4325

Sweetspot

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



39.8159, 0.2264, 0.2201



77.8594, 0.2888, 0.3016



80.9983, 0.2650, 0.3773



16.0608, 0.2853, 0.2974



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.



39.8159, 0.2264, 0.2201



31.9166, 0.2085, 0.1930



29.2687, 0.2324, 0.1762



18.3112, 0.2979, 0.3122



7.0286, 0.1619, 0.1029



0.8704, 0.1681, 0.1251

Inverse Universe

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



39.5272, 0.4081, 0.2879



32.9707, 0.4400, 0.2816



90.1792, 0.3697, 0.4577



18.0813, 0.3244, 0.3215



11.4375, 0.5715, 0.2922



1.1324, 0.5395, 0.2746

Previews

White Background



This preview shows how the Yxy color 39.8145, 0.2264, 0.2201 looks on a white background.

Color Contrast Check

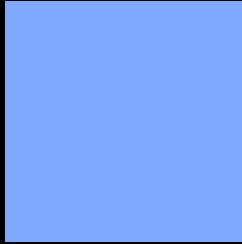
Large Text (above 18pt) WCAG AA × Fail

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 39.8145, 0.2264, 0.2201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

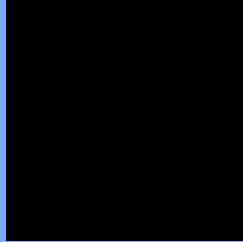
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

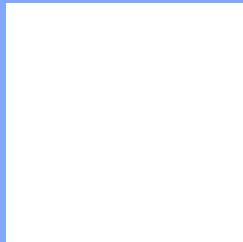
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.8145, 0.2264, 0.2201

Background



This preview shows how black text looks on a background with the Yxy color 39.8145, 0.2264, 0.2201.



This preview shows how white text looks on a background with the Yxy color 39.8145, 0.2264, 0.2201.

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

39.8145, 0.2264, 0.2201

Protanopia

39.8533, 0.2331, 0.2211

Deuteranopia

39.8145, 0.2264, 0.2201



Tritanopia

39.8339, 0.2500, 0.3066

Trichromacy



Original Color

39.8145, 0.2264, 0.2201

Protanomaly

39.9441, 0.2305, 0.2208

Deuteranomaly

39.8145, 0.2264, 0.2201

Tritanomaly

39.7734, 0.2406, 0.2715

Monochromacy



Original Color

39.8145, 0.2264, 0.2201

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.3901, 0.2753, 0.2860

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8145, 0.2264, 0.2201 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(128, 168, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 168, 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(128, 168, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 168, 255) }
```

Border

The CSS property to change the border of an element to Yxy 39.8145, 0.2264, 0.2201 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(128, 168, 255) }
```

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

```
.border{ border-color:rgb(128, 168, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 168, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 168, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 168, 255); box-shadow:4px 4px 4px 4px rgb(128, 168, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8145, 0.2264, 0.2201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 168, 255) }
```

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

```
.background{ background-color: rgb(128,  
168, 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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