

Converting Colors

$Y_{xy}(40.0446, 0.2328, 0.2192)$

Have a look what the booklet for
Yxy(40.0446, 0.2328, 0.2192)
contains.

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Color

Yxy(40.0679, 0.2327, 0.2193)

Conversions

Conversions Part 1

Format	Color
Hex	8CA6FF
RGB	140, 166, 255
RGB Percent	55%, 65%, 100%
CMY	0.4506, 0.3491, 0.0000
CMYK	0.45, 0.35, 0.00, 0.00
HSL	226°, 100%, 77%
HSV	226°, 45%, 100%
XYZ	42.5162, 40.0679, 100.1241
YIQ	168.3720, -44.0650, 22.1670

Conversions

Conversions Part 2

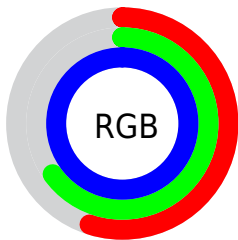
Format	Color
RYB	140, 161, 255
Decimal	9217791
CIELab	69.52, 13.78, -47.04
CIElCh	70, 49.019, 286.327
Yxy	40.0679, 0.2327, 0.2193
Android (android.graphics.Color)	4287407871 (0xFF8CA6FF)
YUV	168.3720, 42.7076, -24.8822
Hunter-Lab	63.2992, 9.1195, -49.4730

Details

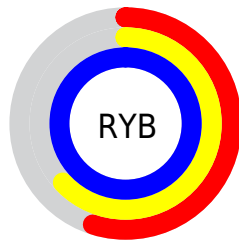
The Yxy color **40.0679, 0.2327, 0.2193** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **79.2603, 0.3906, 0.4182**, and the grayscale version is **39.1595, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.9387, 0.2766, 0.2921**, and **17.9057, 0.2107, 0.1916** is the 20% darker color. If you saturate the color by 10%, you get **31.4631, 0.2136, 0.1899**, and if you desaturate by 10%, it is **50.2885, 0.2521, 0.2476**.

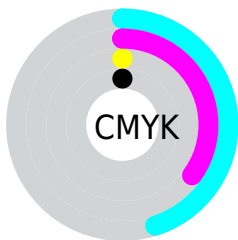
Distribution



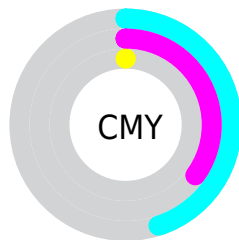
- Red (55%)
- Green (65%)
- Blue (100%)



- Red (55%)
- Yellow (63%)
- Blue (100%)



- Cyan (45%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)





- Cyan (45%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0679, 0.2327, 0.2193 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 40.0679, 0.2327, 0.2193 by changing the saturation by 10% instead.


 40.0679, 0.2327,
0.2193


 40.0679, 0.2327,
0.2193


346.4097, 0.2724,
0.2715

 27.5915, 0.2232,
0.2073


 75.2669, 0.2469,
0.2375

 18.0179, 0.2112,
0.1927


 98.7583, 0.2523,
0.2446

 10.9629, 0.1960,
0.1743


126.6901, 0.2569,
0.2507

 6.0419, 0.1760,
0.1511

159.4468, 0.2609,
0.2559

 2.8706, 0.1492,
0.1212

197.4126, 0.2643,
0.2606

 1.0645, 0.1129,
0.0833

240.9722, 0.2674,

 0.0000, 0.0496,

0.2646

0.0000

290.5097, 0.2700,
0.2683

■ 0.0000, 0.0000,
0.0000

■ 40.0679, 0.2327,
0.2193

■ 40.0679, 0.2327,
0.2193

■ 31.4631, 0.2136,
0.1899

■ 50.2885, 0.2521,
0.2476

■ 24.3891, 0.1956,
0.1606

■ 62.2055, 0.2709,
0.2739

■ 18.7510, 0.1799,
0.1330

■ 75.8927, 0.2886,
0.2978

■ 14.4424, 0.1674,
0.1087

■ 91.4197, 0.3050,
0.3192

■ 11.3401, 0.1589,
0.0891

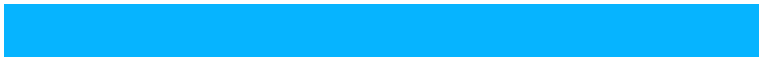
100.0000, 0.3127,
0.3290

■ 10.1897, 0.1559,
0.0813

Harmonies

Analogous

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



40.0679, 0.1969, 0.2280



40.0679, 0.2327, 0.2193



40.0679, 0.2928, 0.2339

Triad

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



40.0679, 0.2327, 0.2193



40.0679, 0.4558, 0.3684



40.0679, 0.2531, 0.4033

Complementary

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



40.0679, 0.2327, 0.2193



79.2603, 0.3906, 0.4182

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.



40.0679, 0.3190, 0.4546



40.0679, 0.2327, 0.2193



40.0679, 0.4381, 0.4200

Square

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



40.0679, 0.2327, 0.2193



40.0679, 0.4294, 0.3151



40.0679, 0.3868, 0.4563



40.0679, 0.2066, 0.3274

Rectangle

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



40.0679, 0.2327, 0.2193



40.0679, 0.3416, 0.2546



40.0679, 0.3868, 0.4563



40.0679, 0.2737, 0.4251

Sweetspot

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



40.0675, 0.2327, 0.2193



77.4517, 0.2904, 0.3002



82.7156, 0.2640, 0.3602



15.9039, 0.2867, 0.2953



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.



40.0675, 0.2327, 0.2193



32.3018, 0.2156, 0.1931



34.6321, 0.2485, 0.1948



18.0413, 0.2979, 0.3100



5.5060, 0.1566, 0.0837



0.6912, 0.1622, 0.1038

Inverse Universe

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



42.7961, 0.4062, 0.3022



36.2007, 0.4361, 0.2978



89.3209, 0.3586, 0.4488



18.0541, 0.3259, 0.3237



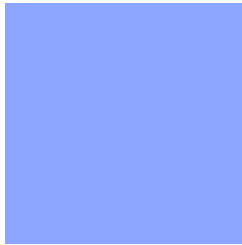
11.2838, 0.6010, 0.3085



1.1143, 0.5702, 0.2915

Previews

White Background



This preview shows how the Yxy color 40.0679, 0.2327, 0.2193 looks on a white background.

Color Contrast Check

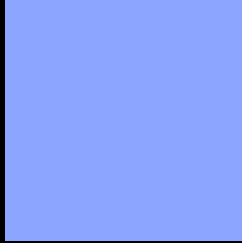
Large Text (above 18pt) WCAG AA × Fail

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 40.0679, 0.2327, 0.2193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

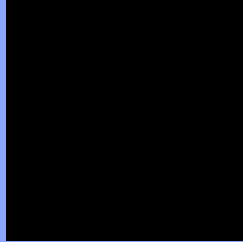
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.0679, 0.2327, 0.2193

Background



This preview shows how black text looks on a background with the Yxy color 40.0679, 0.2327, 0.2193.



This preview shows how white text looks on a background with the Yxy color 40.0679, 0.2327, 0.2193.

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

40.0679, 0.2327, 0.2193

Protanopia

39.9814, 0.2321, 0.2192

Deuteranopia

40.2775, 0.2282, 0.2226



Tritanopia

40.3014, 0.2596, 0.3084

Trichromacy



Original Color

40.0679, 0.2327, 0.2193

Protanomaly

39.9814, 0.2321, 0.2192

Deuteranomaly

40.2294, 0.2302, 0.2219

Tritanomaly

39.8971, 0.2485, 0.2710

Monochromacy



Original Color

40.0679, 0.2327, 0.2193

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.0767, 0.2787, 0.2840

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0679, 0.2327, 0.2193 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(140, 166, 255)` looks like.

```
.text, #text, p{  
    color:rgb(140, 166, 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(140, 166, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 166, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.0679, 0.2327, 0.2193 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(140, 166, 255) }
```

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

```
.border{ border-color:rgb(140, 166, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 166, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 166, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 166, 255);  
box-shadow:4px 4px 4px 4px rgb(140, 166,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0679, 0.2327, 0.2193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 166, 255) }
```

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

```
.background{ background-color: rgb(140,  
166, 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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