

Converting Colors

$Y_{xy}(40.4247, 0.2317, 0.2209)$

Have a look what the booklet for
Yxy(40.4247, 0.2317, 0.2209)
contains.

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Color

Yxy(40.6285, 0.2320, 0.2216)

Conversions

Conversions Part 1

Format	Color
Hex	8AA8FF
RGB	138, 168, 255
RGB Percent	54%, 66%, 100%
CMY	0.4586, 0.3412, 0.0001
CMYK	0.46, 0.34, 0.00, 0.00
HSL	225°, 100%, 77%
HSV	225°, 46%, 100%
XYZ	42.5353, 40.6285, 100.1779
YIQ	168.9480, -45.8070, 20.6970

Conversions

Conversions Part 2

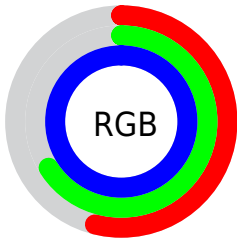
Format	Color
RYB	138, 162, 255
Decimal	9087231
CIELab	69.91, 12.13, -46.39
CIELCh	70, 47.951, 284.649
Yxy	40.6285, 0.2320, 0.2216
Android (android.graphics.Color)	4287277311 (0xFF8AA8FF)
YUV	168.9480, 42.4236, -27.1414
Hunter-Lab	63.7405, 7.5706, -48.5649

Details

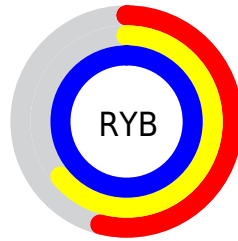
The Yxy color **40.6285, 0.2320, 0.2216** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **76.9522, 0.3937, 0.4164**, and the grayscale version is **39.4578, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.7311, 0.2756, 0.2942**, and **18.2735, 0.2102, 0.1945** is the 20% darker color. If you saturate the color by 10%, you get **32.2039, 0.2133, 0.1932**, and if you desaturate by 10%, it is **50.5878, 0.2510, 0.2489**.

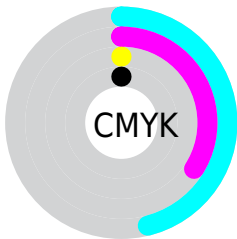
Distribution



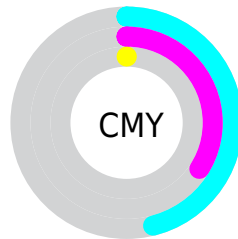
- Red (54%)
- Green (66%)
- Blue (100%)



- Red (54%)
- Yellow (64%)
- Blue (100%)



- Cyan (46%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)



- Cyan (46%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.6285, 0.2320, 0.2216 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 40.6285, 0.2320, 0.2216 by changing the saturation by 10% instead.

■ 40.6285, 0.2320,
0.2216

■ 40.6285, 0.2320,
0.2216

348.7655, 0.2719,
0.2728

■ 28.0289, 0.2225,
0.2098

■ 76.1196, 0.2462,
0.2395

■ 18.3475, 0.2105,
0.1954

■ 99.7800, 0.2517,
0.2464

■ 11.1997, 0.1953,
0.1773

127.8960, 0.2563,
0.2524

■ 6.2013, 0.1753,
0.1543

160.8521, 0.2603,
0.2576

■ 2.9679, 0.1486,
0.1247

199.0327, 0.2638,
0.2621

■ 1.1150, 0.1124,
0.0868

242.8223, 0.2668,

■ 0.0000, 0.0498,

0.2661

0.0000

292.6051, 0.2695,
0.2696

■ 0.0000, 0.0000,
0.0000

■ 40.6285, 0.2320,
0.2216

■ 40.6285, 0.2320,
0.2216

■ 32.2039, 0.2133,
0.1932

■ 50.5878, 0.2510,
0.2489

■ 25.2294, 0.1958,
0.1648

■ 62.1516, 0.2696,
0.2743

■ 19.6182, 0.1806,
0.1378

■ 75.3903, 0.2873,
0.2974

■ 15.2712, 0.1685,
0.1138

■ 90.3689, 0.3037,
0.3180

■ 12.0729, 0.1601,
0.0940

■ 99.9978, 0.3127,
0.3290

■ 11.0331, 0.1575,
0.0871

Harmonies

Analogous

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



40.6285, 0.1983, 0.2317



40.6285, 0.2320, 0.2216



40.6285, 0.2896, 0.2346

Triad

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



40.6285, 0.2320, 0.2216



40.6285, 0.4518, 0.3650



40.6285, 0.2580, 0.4050

Complementary

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



40.6285, 0.2320, 0.2216



76.9522, 0.3937, 0.4164

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.



40.6285, 0.3230, 0.4524



40.6285, 0.2320, 0.2216



40.6285, 0.4371, 0.4156

Square

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



40.6285, 0.2320, 0.2216



40.6285, 0.4236, 0.3128



40.6285, 0.3887, 0.4519



40.6285, 0.2110, 0.3317

Rectangle

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



40.6285, 0.2320, 0.2216



40.6285, 0.3369, 0.2543



40.6285, 0.3887, 0.4519



40.6285, 0.2784, 0.4255

Sweetspot

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



40.6300, 0.2320, 0.2216



78.0578, 0.2904, 0.3014



82.2761, 0.2651, 0.3656



16.0500, 0.2868, 0.2967



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.



40.6300, 0.2320, 0.2216



32.8753, 0.2149, 0.1957



33.4454, 0.2442, 0.1912



18.1338, 0.2979, 0.3108



5.9678, 0.1583, 0.0897



0.7477, 0.1641, 0.1107

Inverse Universe

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



42.2730, 0.4046, 0.2980



35.6882, 0.4342, 0.2929



89.7770, 0.3619, 0.4498



18.0634, 0.3254, 0.3229



11.3304, 0.5916, 0.3033



1.1200, 0.5600, 0.2859

Previews

White Background



This preview shows how the Yxy color 40.6285, 0.2320, 0.2216 looks on a white background.

Color Contrast Check

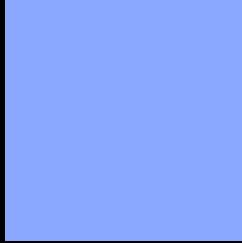
Large Text (above 18pt) WCAG AA × Fail

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 40.6285, 0.2320, 0.2216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

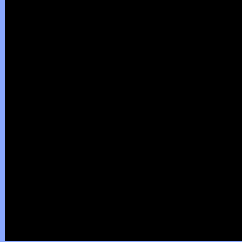
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.6285, 0.2320, 0.2216

Background



This preview shows how black text looks on a background with the Yxy color 40.6285, 0.2320, 0.2216.



This preview shows how white text looks on a background with the Yxy color 40.6285, 0.2320, 0.2216.

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

40.6285, 0.2320, 0.2216

Protanopia

40.5202, 0.2335, 0.2208

Deuteranopia

40.5015, 0.2288, 0.2220



Tritanopia

40.6476, 0.2573, 0.3070

Trichromacy



Original Color

40.6285, 0.2320, 0.2216

Protanomaly

40.4329, 0.2329, 0.2206

Deuteranomaly

40.6643, 0.2299, 0.2222

Tritanomaly

40.5724, 0.2471, 0.2725

Monochromacy



Original Color

40.6285, 0.2320, 0.2216

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.8152, 0.2789, 0.2868

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6285, 0.2320, 0.2216 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(138, 168, 255)` looks like.

```
.text, #text, p{  
    color:rgb(138, 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(138, 168, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 168, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.6285, 0.2320, 0.2216 is called "border". The border property can be set on classes, ids or directly on the HTML element.

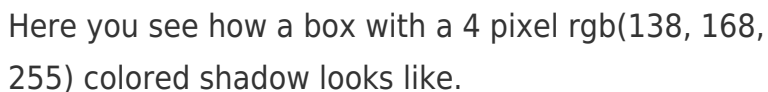
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(138, 168, 255) }
```

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

```
.border{ border-color:rgb(138, 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(138, 168, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 168, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 168, 255);  
box-shadow:4px 4px 4px 4px rgb(138, 168,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6285, 0.2320, 0.2216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 168, 255) }
```

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

```
.background{ background-color: rgb(138,  
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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