

Converting Colors

$Y_{xy}(40.3054, 0.2237, 0.2583)$

Have a look what the booklet for
Yxy(40.3054, 0.2237, 0.2583)
contains.

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Color

Yxy(40.2805, 0.2238, 0.2582)

Conversions

Conversions Part 1

Format	Color
Hex	5DB3E6
RGB	93, 179, 230
RGB Percent	36%, 70%, 90%
CMY	0.6355, 0.2980, 0.0980
CMYK	0.60, 0.22, 0.00, 0.10
HSL	202°, 73%, 63%
HSV	202°, 60%, 90%
XYZ	34.9139, 40.2805, 80.8106
YIQ	159.1000, -67.6270, -2.3710

Conversions

Conversions Part 2

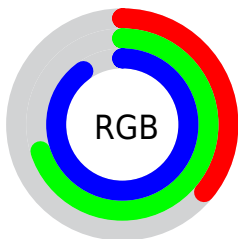
Format	Color
R _Y B	93, 146, 230
Decimal	6140902
CIE Lab	69.67, -11.17, -33.37
CIE LCh	70, 35.194, 251.488
Yxy	40.2805, 0.2238, 0.2582
Android (android.graphics.Color)	4284330982 (0xFF5DB3E6)
YUV	159.1000, 34.9537, -57.9697
Hunter-Lab	63.4669, -12.8721, -31.0654

Details

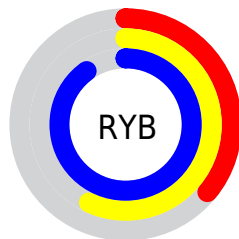
The Yxy color **40.2805, 0.2238, 0.2582** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **37.5456, 0.4579, 0.3856**, and the grayscale version is **34.5736, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.4090, 0.2539, 0.3060**, and **18.0358, 0.2002, 0.2374** is the 20% darker color. If you saturate the color by 10%, you get **35.9323, 0.2122, 0.2438**, and if you desaturate by 10%, it is **45.2053, 0.2370, 0.2722**.

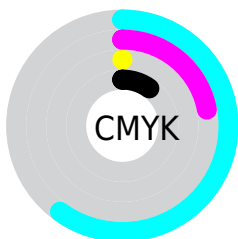
Distribution



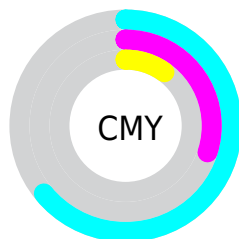
- Red (36%)
- Green (70%)
- Blue (90%)



- Red (36%)
- Yellow (57%)
- Blue (90%)



- Cyan (60%)
- Magenta (22%)
- Yellow (0%)
- Black (10%)





- Cyan (64%)
- Magenta (30%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2805, 0.2238, 0.2582 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 40.2805, 0.2238, 0.2582 by changing the saturation by 10% instead.

 40.2805, 0.2238,
0.2582


 40.2805, 0.2238,
0.2582


347.3044, 0.2674,
0.2942

 27.7573, 0.2134,
0.2492


 75.5905, 0.2394,
0.2713


 18.1428, 0.2003,
0.2378


 99.1460, 0.2453,
0.2762

 11.0526, 0.1835,
0.2228


 127.1478, 0.2504,
0.2804

 6.1022, 0.1614,
0.2024

 159.9803, 0.2547,
0.2840

 2.9073, 0.1317,
0.1738

198.0278, 0.2585,
0.2870

 1.0835, 0.0909,
0.1322

241.6747, 0.2619,

 0.0000, 0.0000,

0.2897

0.0000

291.3054, 0.2648,
0.2921

■ 40.2805, 0.2238,
0.2582

■ 40.2805, 0.2238,
0.2582

■ 35.9323, 0.2122,
0.2438

■ 45.2053, 0.2370,
0.2722

■ 32.1191, 0.2025,
0.2293

■ 50.7355, 0.2514,
0.2854

■ 28.7987, 0.1949,
0.2150

■ 56.9026, 0.2666,
0.2979


■ 25.9015, 0.1892,
0.2010


■ 63.7340, 0.2822,
0.3094

■ 25.7901, 0.1890,
0.2004

■ 71.2555, 0.2979,
0.3199

 79.4913, 0.3133,
0.3294

 88.4640, 0.3283,
0.3378

 93.7915, 0.3281,
0.3461

 98.4942, 0.3274,
0.3532

Harmonies

Analogous

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



40.2805, 0.2205, 0.2898



40.2805, 0.2238, 0.2582



40.2805, 0.2484, 0.2470

Triad

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



40.2805, 0.2238, 0.2582



40.2805, 0.3903, 0.3141



40.2805, 0.3277, 0.4192

Complementary

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



40.2805, 0.2238, 0.2582



37.5456, 0.4579, 0.3856

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.



40.2805, 0.3758, 0.4188



40.2805, 0.2238, 0.2582



40.2805, 0.4146, 0.3547

Square

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



40.2805, 0.2238, 0.2582



40.2805, 0.3435, 0.2788



40.2805, 0.4085, 0.3930



40.2805, 0.2778, 0.3883

Rectangle

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



40.2805, 0.2238, 0.2582



40.2805, 0.2752, 0.2502



40.2805, 0.4085, 0.3930



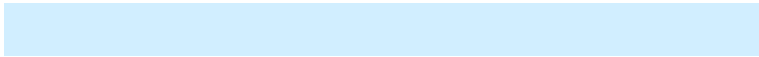
40.2805, 0.3446, 0.4226

Sweetspot

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



40.2819, 0.2238, 0.2582



81.8925, 0.2846, 0.3110



60.9171, 0.2808, 0.4528



16.9605, 0.2800, 0.3078



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.



40.2819, 0.2238, 0.2582



43.9800, 0.2092, 0.2398



19.4539, 0.2020, 0.1604



15.3876, 0.2981, 0.3200



14.8401, 0.1896, 0.2026



1.2732, 0.1953, 0.2231

Inverse Universe

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



27.8988, 0.3778, 0.2359



29.3917, 0.3986, 0.2234



64.5729, 0.4079, 0.4534



14.5195, 0.3195, 0.3143



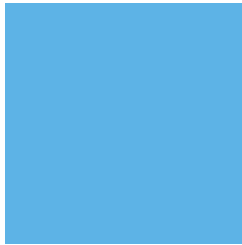
10.6958, 0.4423, 0.2210



0.8082, 0.4199, 0.2087

Previews

White Background



This preview shows how the Yxy color 40.2805, 0.2238, 0.2582 looks on a white background.

Color Contrast Check

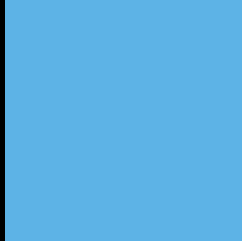
Large Text (above 18pt) WCAG AA × Fail

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 40.2805, 0.2238, 0.2582 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

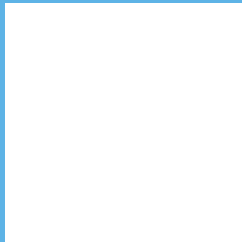
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.2805, 0.2238, 0.2582

Background



This preview shows how black text looks on a background with the Yxy color 40.2805, 0.2238, 0.2582.



This preview shows how white text looks on a background with the Yxy color 40.2805, 0.2238, 0.2582.

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

40.2805, 0.2238, 0.2582

Protanopia

39.8265, 0.2620, 0.2583

Deuteranopia

39.9102, 0.2503, 0.2441



Tritanopia

40.1100, 0.2348, 0.3061

Trichromacy



Original Color

40.2805, 0.2238, 0.2582

Protanomaly

39.4132, 0.2452, 0.2574

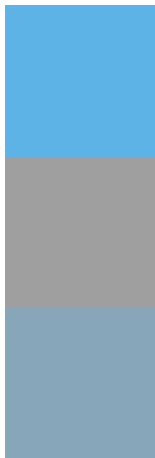
Deuteranomaly

39.6191, 0.2390, 0.2480

Tritanomaly

40.0403, 0.2307, 0.2877

Monochromacy



Original Color

40.2805, 0.2238, 0.2582

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.9261, 0.2711, 0.3008

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2805, 0.2238, 0.2582 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(93, 179, 230)` looks like.

```
.text, #text, p{  
    color:rgb(93, 179, 230)  
}
```

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(93, 179, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 179, 230) }
```

Border

The CSS property to change the border of an element to Yxy 40.2805, 0.2238, 0.2582 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(93, 179, 230) }
```

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

```
.border{ border-color:rgb(93, 179, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 179, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 179, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 179, 230);  
box-shadow:4px 4px 4px 4px rgb(93, 179,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2805, 0.2238, 0.2582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 179, 230) }
```

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

```
.background{ background-color: rgb(93, 179,  
230) }
```

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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