

Converting Colors

$Y_{xy}(41.1308, 0.2205, 0.2646)$

Have a look what the booklet for
Yxy(41.1308, 0.2205, 0.2646)
contains.

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Color

Yxy(41.2296, 0.2206, 0.2645)

Conversions

Conversions Part 1

Format	Color
Hex	50B7E5
RGB	80, 183, 229
RGB Percent	31%, 72%, 90%
CMY	0.6860, 0.2824, 0.1020
CMYK	0.65, 0.20, 0.00, 0.10
HSL	199°, 74%, 61%
HSV	199°, 65%, 90%
XYZ	34.3866, 41.2296, 80.2613
YIQ	157.4470, -76.1540, -7.5300

Conversions

Conversions Part 2

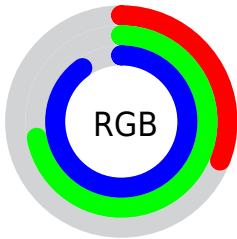
Format	Color
R _Y B	80, 141, 229
Decimal	5289957
CIE Lab	70.34, -15.86, -31.81
CIE LCh	70, 35.547, 243.495
Yxy	41.2296, 0.2206, 0.2645
Android (android.graphics.Color)	4283480037 (0xFF50B7E5)
YUV	157.4470, 35.2756, -67.9210
Hunter-Lab	64.2103, -16.7758, -29.1639

Details

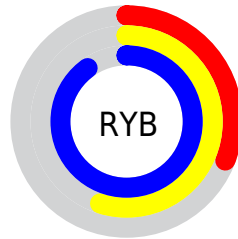
The Yxy color **41.2296, 0.2206, 0.2645** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **32.1717, 0.4848, 0.3783**, and the grayscale version is **33.8010, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.7926, 0.2501, 0.3105**, and **18.9824, 0.2019, 0.2469** is the 20% darker color. If you saturate the color by 10%, you get **37.5533, 0.2109, 0.2527**, and if you desaturate by 10%, it is **45.3950, 0.2321, 0.2761**.

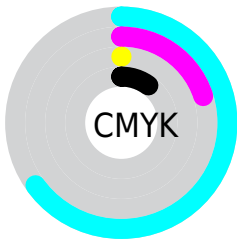
Distribution



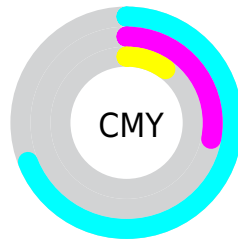
- Red (31%)
- Green (72%)
- Blue (90%)



- Red (31%)
- Yellow (55%)
- Blue (90%)



- Cyan (65%)
- Magenta (20%)
- Yellow (0%)
- Black (10%)



- Cyan (69%)
- Magenta (28%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.2296, 0.2206, 0.2645 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 41.2296, 0.2206, 0.2645 by changing the saturation by 10% instead.

41.2296, 0.2206,
0.2645

41.2296, 0.2206,
0.2645

351.2793, 0.2655,
0.2976

28.4985, 0.2099,
0.2561

77.0323, 0.2366,
0.2766

18.7018, 0.1966,
0.2454

100.8727, 0.2427,
0.2812

11.4550, 0.1795,
0.2313

129.1851, 0.2479,
0.2850

6.3738, 0.1572,
0.2120

162.3537, 0.2524,
0.2883

3.0737, 0.1272,
0.1844

200.7631, 0.2563,
0.2911

1.1703, 0.0861,
0.1438

244.7975, 0.2598,

0.0373, 0.0000,

0.2936

0.0125

294.8415, 0.2628,
0.2957

0.0000, 0.0000,
0.0000

41.2296, 0.2206,
0.2645

41.2296, 0.2206,
0.2645

37.5533, 0.2109,
0.2527

45.3950, 0.2321,
0.2761

34.3234, 0.2033,
0.2409

50.0782, 0.2451,
0.2873

31.4949, 0.1977,
0.2292

55.3103, 0.2592,
0.2978


30.2027, 0.1954,
0.2234


61.1182, 0.2741,
0.3077

67.5269, 0.2895,
0.3168

 74.5594, 0.3050,
0.3251

 82.2376, 0.3203,
0.3326

 88.9821, 0.3297,
0.3395

 93.2170, 0.3289,
0.3463

Harmonies

Analogous

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



41.2296, 0.2232, 0.3013



41.2296, 0.2206, 0.2645



41.2296, 0.2397, 0.2478

Triad

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



41.2296, 0.2206, 0.2645



41.2296, 0.3795, 0.3039



41.2296, 0.3413, 0.4224

Complementary

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



41.2296, 0.2206, 0.2645



32.1717, 0.4848, 0.3783

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.



41.2296, 0.3867, 0.4141



41.2296, 0.2206, 0.2645



41.2296, 0.4112, 0.3438

Square

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



41.2296, 0.2206, 0.2645



41.2296, 0.3294, 0.2709



41.2296, 0.4133, 0.3836



41.2296, 0.2904, 0.3994

Rectangle

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



41.2296, 0.2206, 0.2645



41.2296, 0.2635, 0.2478



41.2296, 0.4133, 0.3836



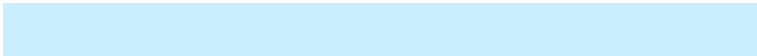
41.2296, 0.3578, 0.4229

Sweetspot

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



41.2311, 0.2206, 0.2645



81.9374, 0.2816, 0.3123



59.2120, 0.2844, 0.4809



17.0500, 0.2773, 0.3097



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.



41.2311, 0.2206, 0.2645



46.4598, 0.2081, 0.2486



18.4852, 0.1951, 0.1567



15.5459, 0.2981, 0.3216



17.4944, 0.1959, 0.2252



1.4559, 0.2006, 0.2422

Inverse Universe

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



25.8219, 0.3737, 0.2206



27.9742, 0.3914, 0.2091



58.1748, 0.4224, 0.4532



14.5355, 0.3185, 0.3129



10.9638, 0.4176, 0.2074



0.8267, 0.4001, 0.1978

Previews

White Background



This preview shows how the Yxy color 41.2296, 0.2206, 0.2645 looks on a white background.

Color Contrast Check

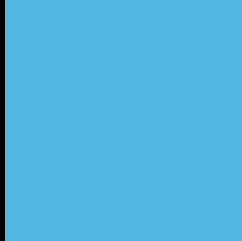
Large Text (above 18pt) WCAG AA × Fail

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 41.2296, 0.2206, 0.2645 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 41.2296, 0.2206, 0.2645

Background



This preview shows how black text looks on a background with the Yxy color 41.2296, 0.2206, 0.2645.



This preview shows how white text looks on a background with the Yxy color 41.2296, 0.2206, 0.2645.

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

41.2296, 0.2206, 0.2645

Protanopia

40.7595, 0.2658, 0.2637

Deuteranopia

40.9744, 0.2540, 0.2485



Tritanopia

41.4365, 0.2292, 0.3062

Trichromacy



Original Color

41.2296, 0.2206, 0.2645

Protanomaly

40.3456, 0.2452, 0.2626

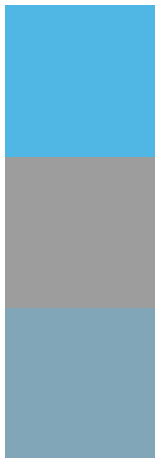
Deuteranomaly

40.4772, 0.2385, 0.2529

Tritanomaly

41.2109, 0.2260, 0.2906

Monochromacy



Original Color

41.2296, 0.2206, 0.2645

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

35.3585, 0.2680, 0.3033

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.2296, 0.2206, 0.2645 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(80, 183, 229)` looks like.

```
.text, #text, p{  
    color:rgb(80, 183, 229)  
}
```

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(80, 183, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 183, 229) }
```

Border

The CSS property to change the border of an element to Yxy 41.2296, 0.2206, 0.2645 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(80, 183, 229) }
```

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

```
.border{ border-color:rgb(80, 183, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 183, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 183, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 183, 229);  
box-shadow:4px 4px 4px 4px rgb(80, 183,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 41.2296, 0.2206, 0.2645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 183, 229) }
```

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

```
.background{ background-color: rgb(80, 183,  
229) }
```

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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