

Converting Colors

$Y_{xy}(41.0426, 0.2234, 0.2708)$

Have a look what the booklet for
Yxy(41.0426, 0.2234, 0.2708)
contains.

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Color

Yxy(41.0426, 0.2234, 0.2708)

Conversions

Conversions Part 1

Format	Color
Hex	52B7E0
RGB	82, 183, 224
RGB Percent	32%, 72%, 88%
CMY	0.6790, 0.2823, 0.1216
CMYK	0.63, 0.18, 0.00, 0.12
HSL	197°, 70%, 60%
HSV	197°, 63%, 88%
XYZ	33.8586, 41.0426, 76.6593
YIQ	157.4750, -73.3570, -8.6610

Conversions

Conversions Part 2

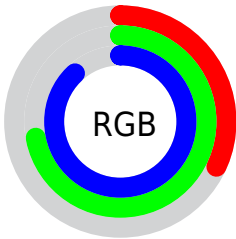
Format	Color
RYB	82, 141, 224
Decimal	5421024
CIELab	70.21, -17.13, -29.29
CIELCh	70, 33.935, 239.677
Yxy	41.0426, 0.2234, 0.2708
Android (android.graphics.Color)	4283611104 (0xFF52B7E0)
YUV	157.4750, 32.7968, -66.1916
Hunter-Lab	64.0645, -17.7741, -26.1010

Details

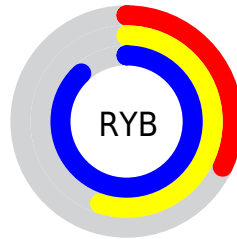
The Yxy color **41.0426, 0.2234, 0.2708** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **30.5835, 0.4814, 0.3744**, and the grayscale version is **33.8018, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.8823, 0.2505, 0.3105**, and **18.8298, 0.2037, 0.2533** is the 20% darker color. If you saturate the color by 10%, you get **37.5963, 0.2137, 0.2599**, and if you desaturate by 10%, it is **44.9416, 0.2348, 0.2815**.

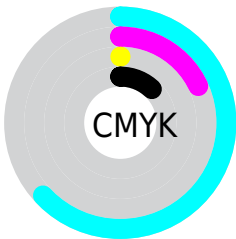
Distribution



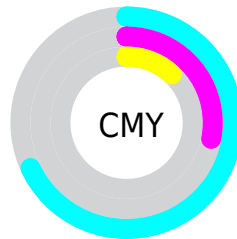
- Red (32%)
- Green (72%)
- Blue (88%)



- Red (32%)
- Yellow (55%)
- Blue (88%)



- Cyan (63%)
- Magenta (18%)
- Yellow (0%)
- Black (12%)



- Cyan (68%)
- Magenta (28%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.0426, 0.2234, 0.2708 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 41.0426, 0.2234, 0.2708 by changing the saturation by 10% instead.

41.0426, 0.2234,
0.2708

41.0426, 0.2234,
0.2708

350.4986, 0.2671,
0.3010

28.3524, 0.2129,
0.2631

76.7486, 0.2390,
0.2819

18.5915, 0.1998,
0.2532

100.5331, 0.2449,
0.2861

11.3754, 0.1830,
0.2400

128.7845, 0.2500,
0.2895

6.3200, 0.1609,
0.2217

161.8872, 0.2544,
0.2925

3.0406, 0.1309,
0.1952

200.2255, 0.2582,
0.2950

1.1530, 0.0882,
0.1552

244.1840, 0.2615,

0.0228, 0.0000,

0.2973

0.0088

294.1469, 0.2645,
0.2992

0.0000, 0.0000,
0.0000

41.0426, 0.2234,
0.2708

41.0426, 0.2234,
0.2708

37.5963, 0.2137,
0.2599

44.9416, 0.2348,
0.2815

34.5634, 0.2061,
0.2489

49.3193, 0.2478,
0.2918

31.9033, 0.2004,
0.2380

54.2043, 0.2618,
0.3015

30.3203, 0.1975,
0.2310

59.6215, 0.2767,
0.3106

65.5939, 0.2920,
0.3189

72.1429, 0.3074,
0.3266

79.2886, 0.3227,
0.3334

85.8811, 0.3335,
0.3397

89.6406, 0.3326,
0.3459

Harmonies

Analogous

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



41.0426, 0.2287, 0.3083



41.0426, 0.2234, 0.2708



41.0426, 0.2392, 0.2521

Triad

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



41.0426, 0.2234, 0.2708



41.0426, 0.3712, 0.3004



41.0426, 0.3464, 0.4187

Complementary

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



41.0426, 0.2234, 0.2708



30.5835, 0.4814, 0.3744

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.



41.0426, 0.3882, 0.4078



41.0426, 0.2234, 0.2708



41.0426, 0.4045, 0.3384

Square

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



41.0426, 0.2234, 0.2708



41.0426, 0.3222, 0.2700



41.0426, 0.4103, 0.3771



41.0426, 0.2975, 0.4005

Rectangle

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



41.0426, 0.2234, 0.2708



41.0426, 0.2606, 0.2504



41.0426, 0.4103, 0.3771



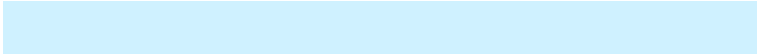
41.0426, 0.3618, 0.4180

Sweetspot

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



41.0441, 0.2234, 0.2708



83.3488, 0.2833, 0.3143



56.5089, 0.2857, 0.4799



17.3560, 0.2789, 0.3118



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.



41.0441, 0.2234, 0.2708



49.1200, 0.2111, 0.2565



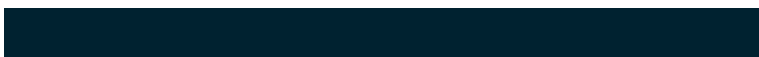
18.9046, 0.1988, 0.1649



14.8696, 0.2982, 0.3221



17.8545, 0.1980, 0.2327



1.3888, 0.2026, 0.2493

Inverse Universe

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



25.2816, 0.3677, 0.2198



28.7479, 0.3835, 0.2071



54.6859, 0.4216, 0.4487



13.8647, 0.3182, 0.3125



10.7105, 0.4099, 0.2032



0.7577, 0.3929, 0.1938

Previews

White Background



This preview shows how the Yxy color 41.0426, 0.2234, 0.2708 looks on a white background.

Color Contrast Check

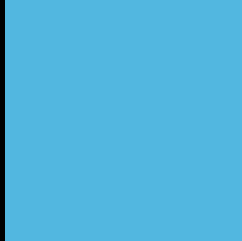
Large Text (above 18pt) WCAG AA × Fail

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 41.0426, 0.2234, 0.2708 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 41.0426, 0.2234, 0.2708

Background



This preview shows how black text looks on a background with the Yxy color 41.0426, 0.2234, 0.2708.



This preview shows how white text looks on a background with the Yxy color 41.0426, 0.2234, 0.2708.

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

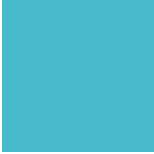
41.0426, 0.2234, 0.2708

Protanopia

40.7046, 0.2706, 0.2698

Deuteranopia

40.6192, 0.2590, 0.2530



Tritanopia

41.1445, 0.2309, 0.3062

Trichromacy



Original Color

41.0426, 0.2234, 0.2708

Protanomaly

40.2396, 0.2492, 0.2688

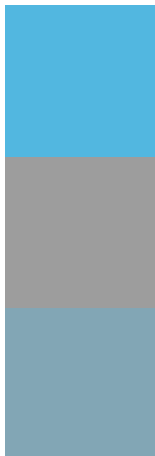
Deuteranomaly

40.0453, 0.2427, 0.2576

Tritanomaly

41.2668, 0.2282, 0.2935

Monochromacy



Original Color

41.0426, 0.2234, 0.2708

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

35.3545, 0.2701, 0.3063

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.0426, 0.2234, 0.2708 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(82, 183, 224)` looks like.

```
.text, #text, p{  
    color:rgb(82, 183, 224)  
}
```

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(82, 183, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 183, 224) }
```

Border

The CSS property to change the border of an element to Yxy 41.0426, 0.2234, 0.2708 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(82, 183, 224) }
```

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

```
.border{ border-color:rgb(82, 183, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 183, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 183, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 183, 224);  
box-shadow:4px 4px 4px 4px rgb(82, 183,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 41.0426, 0.2234, 0.2708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 183, 224) }
```

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

```
.background{ background-color: rgb(82, 183,  
224) }
```

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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