

Converting Colors

$Y_{xy}(41.8221, 0.2375, 0.2557)$

Have a look what the booklet for
Yxy(41.8221, 0.2375, 0.2557)
contains.

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Color

Yxy(42.0091, 0.2373, 0.2560)

Conversions

Conversions Part 1

Format	Color
Hex	7CB2E9
RGB	124, 178, 233
RGB Percent	49%, 70%, 91%
CMY	0.5137, 0.3019, 0.0863
CMYK	0.47, 0.24, 0.00, 0.09
HSL	210°, 71%, 70%
HSV	210°, 47%, 91%
XYZ	38.9405, 42.0091, 83.1485
YIQ	168.1240, -49.8390, 5.6570

Conversions

Conversions Part 2

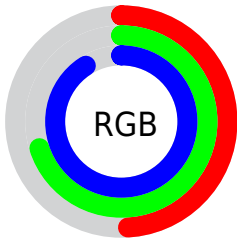
Format	Color
RYB	124, 160, 233
Decimal	8172265
CIELab	70.88, -3.11, -33.02
CIElCh	71, 33.166, 264.612
Yxy	42.0091, 0.2373, 0.2560
Android (android.graphics.Color)	4286362345 (0xFF7CB2E9)
YUV	168.1240, 31.9839, -38.6967
Hunter-Lab	64.8144, -6.1826, -30.6913

Details

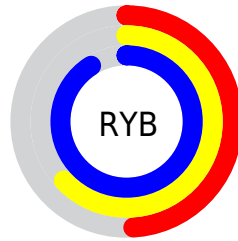
The Yxy color **42.0091, 0.2373, 0.2560** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **51.0203, 0.4090, 0.3910**, and the grayscale version is **39.0813, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8894, 0.2681, 0.3058**, and **19.2543, 0.2171, 0.2369** is the 20% darker color. If you saturate the color by 10%, you get **35.9950, 0.2219, 0.2368**, and if you desaturate by 10%, it is **48.8374, 0.2535, 0.2742**.

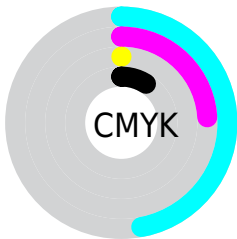
Distribution



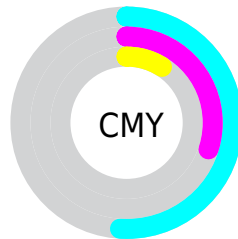
- Red (49%)
- Green (70%)
- Blue (91%)



- Red (49%)
- Yellow (63%)
- Blue (91%)



- Cyan (47%)
- Magenta (24%)
- Yellow (0%)
- Black (9%)



- Cyan (51%)
- Magenta (30%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.0091, 0.2373, 0.2560 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 42.0091, 0.2373, 0.2560 by changing the saturation by 10% instead.

■ 42.0091, 0.2373,
0.2560

■ 42.0091, 0.2373,
0.2560

■ 354.5207, 0.2744,
0.2923

■ 29.1084, 0.2284,
0.2472

■ 78.2134, 0.2506,
0.2691

■ 19.1629, 0.2171,
0.2360

■ 102.2858, 0.2556,
0.2740

■ 11.7880, 0.2026,
0.2215

■ 130.8509, 0.2599,
0.2782

■ 6.5995, 0.1833,
0.2020

■ 164.2931, 0.2636,
0.2818

■ 3.2129, 0.1567,
0.1750

■ 202.9968, 0.2669,
0.2850

■ 1.2439, 0.1193,
0.1362

■ 247.3463, 0.2697,

■ 0.0971, 0.0048,

0.2877

0.0288

297.7262, 0.2722,
0.2901

0.0000, 0.0000,
0.0000

42.0091, 0.2373,
0.2560

42.0091, 0.2373,
0.2560

35.9950, 0.2219,
0.2368

48.8374, 0.2535,
0.2742

30.7510, 0.2078,
0.2171

56.5114, 0.2700,
0.2910

26.2352, 0.1956,
0.1972

65.0662, 0.2864,
0.3065

22.3977, 0.1856,
0.1778

74.5332, 0.3023,
0.3204

19.1776, 0.1781,
0.1595

84.9423, 0.3175,
0.3328

■ 18.2442, 0.1761,
0.1538

■ 94.6134, 0.3262,
0.3441

■ 98.6634, 0.3256,
0.3503

Harmonies

Analogous

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



42.0091, 0.2253, 0.2776



42.0091, 0.2373, 0.2560



42.0091, 0.2684, 0.2533

Triad

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



42.0091, 0.2373, 0.2560



42.0091, 0.3979, 0.3318



42.0091, 0.3060, 0.4031

Complementary

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



42.0091, 0.2373, 0.2560



51.0203, 0.4090, 0.3910

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.



42.0091, 0.3532, 0.4160



42.0091, 0.2373, 0.2560



42.0091, 0.4085, 0.3699

Square

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



42.0091, 0.2373, 0.2560



42.0091, 0.3620, 0.2956



42.0091, 0.3913, 0.4016



42.0091, 0.2627, 0.3646

Rectangle

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



42.0091, 0.2373, 0.2560



42.0091, 0.2976, 0.2612



42.0091, 0.3913, 0.4016



42.0091, 0.3220, 0.4107

Sweetspot

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



42.0107, 0.2373, 0.2560



82.8872, 0.2907, 0.3104



65.7993, 0.2776, 0.4012



17.2199, 0.2872, 0.3073



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.



42.0107, 0.2373, 0.2560



44.5226, 0.2226, 0.2378



24.5843, 0.2238, 0.1820



15.7816, 0.2981, 0.3168



10.5994, 0.1768, 0.1565



1.0246, 0.1838, 0.1817

Inverse Universe

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



34.9544, 0.3755, 0.2687



36.3092, 0.3950, 0.2580



77.0590, 0.3818, 0.4432



15.1785, 0.3215, 0.3174



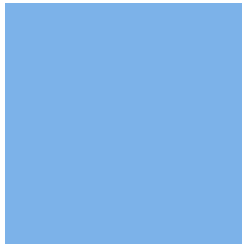
10.5628, 0.4976, 0.2515



0.8488, 0.4665, 0.2344

Previews

White Background



This preview shows how the Yxy color 42.0091, 0.2373, 0.2560 looks on a white background.

Color Contrast Check

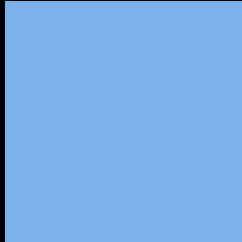
Large Text (above 18pt) WCAG AA × Fail

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 42.0091, 0.2373, 0.2560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

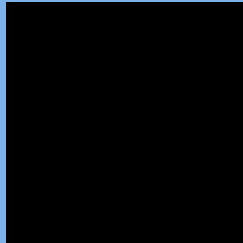
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

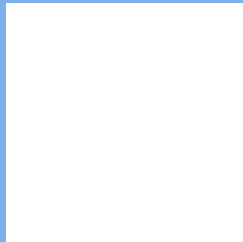
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.0091, 0.2373, 0.2560

Background



This preview shows how black text looks on a background with the Yxy color 42.0091, 0.2373, 0.2560.



This preview shows how white text looks on a background with the Yxy color 42.0091, 0.2373, 0.2560.

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

42.0091, 0.2373, 0.2560

Protanopia

41.8954, 0.2596, 0.2561

Deuteranopia

41.7162, 0.2538, 0.2469



Tritanopia

41.9819, 0.2516, 0.3071

Trichromacy



Original Color

42.0091, 0.2373, 0.2560

Protanomaly

42.0050, 0.2507, 0.2563

Deuteranomaly

41.7569, 0.2476, 0.2504

Tritanomaly

42.0106, 0.2466, 0.2881

Monochromacy



Original Color

42.0091, 0.2373, 0.2560

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.9862, 0.2802, 0.3010

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0091, 0.2373, 0.2560 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(124, 178, 233)` looks like.

```
.text, #text, p{  
    color:rgb(124, 178, 233)  
}
```

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(124, 178, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 178, 233) }
```

Border

The CSS property to change the border of an element to Yxy 42.0091, 0.2373, 0.2560 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(124, 178, 233) }
```

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

```
.border{ border-color:rgb(124, 178, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 178, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 178, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 178, 233);  
box-shadow:4px 4px 4px 4px rgb(124, 178,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0091, 0.2373, 0.2560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 178, 233) }
```

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

```
.background{ background-color: rgb(124,  
178, 233) }
```

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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