

Converting Colors

$Y_{xy}(42.7781, 0.2340, 0.2647)$

Have a look what the booklet for
Yxy(42.7781, 0.2340, 0.2647)
contains.

Yxy(42.6798, 0.2340, 0.2641)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.6798, 0.2340, 0.2641)

Conversions

Conversions Part 1

Format	Color
Hex	71B6E6
RGB	113, 182, 230
RGB Percent	44%, 71%, 90%
CMY	0.5571, 0.2862, 0.0980
CMYK	0.51, 0.21, 0.00, 0.10
HSL	205°, 70%, 67%
HSV	205°, 51%, 90%
XYZ	37.8155, 42.6798, 81.1094
YIQ	166.8410, -56.5320, 0.3000

Conversions

Conversions Part 2

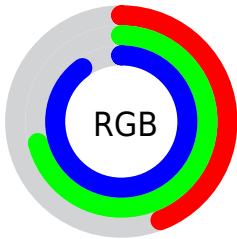
Format	Color
R_{YB}	113, 156, 230
Decimal	7452390
CIE _{Lab}	71.34, -8.71, -30.72
CIE _{LCh}	71, 31.930, 254.174
Yxy	42.6798, 0.2340, 0.2641
Android (android.graphics.Color)	4285642470 (0xFF71B6E6)
YUV	166.8410, 31.1374, -47.2186
Hunter-Lab	65.3298, -11.0041, -27.8799

Details

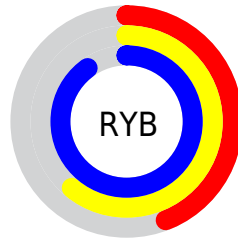
The Yxy color **42.6798, 0.2340, 0.2641** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **43.4823, 0.4268, 0.3838**, and the grayscale version is **38.4237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0270, 0.2633, 0.3100**, and **19.4866, 0.2132, 0.2457** is the 20% darker color. If you saturate the color by 10%, you get **37.6116, 0.2204, 0.2485**, and if you desaturate by 10%, it is **48.3977, 0.2488, 0.2790**.

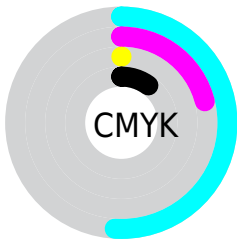
Distribution



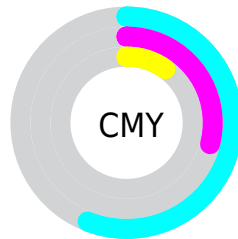
- Red (44%)
- Green (71%)
- Blue (90%)



- Red (44%)
- Yellow (61%)
- Blue (90%)



- Cyan (51%)
- Magenta (21%)
- Yellow (0%)
- Black (10%)



- Cyan (56%)
- Magenta (29%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.6798, 0.2340, 0.2641 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 42.6798, 0.2340, 0.2641 by changing the saturation by 10% instead.

■ 42.6798, 0.2340,
0.2641

■ 42.6798, 0.2340,
0.2641

■ 357.2933, 0.2726,
0.2968

■ 29.6340, 0.2248,
0.2560

■ 79.2274, 0.2477,
0.2759

■ 19.5609, 0.2132,
0.2457

■ 103.4980, 0.2530,
0.2804

■ 12.0763, 0.1982,
0.2323

■ 132.2790, 0.2575,
0.2842

■ 6.7957, 0.1784,
0.2140

■ 165.9547, 0.2613,
0.2874

■ 3.3346, 0.1514,
0.1882

■ 204.9096, 0.2647,
0.2902

■ 1.3088, 0.1133,
0.1501

■ 249.5281, 0.2676,

■ 0.1480, 0.0000,

0.2927

0.0466

300.1945, 0.2702,
0.2949

0.0000, 0.0000,
0.0000

42.6798, 0.2340,
0.2641

42.6798, 0.2340,
0.2641

37.6116, 0.2204,
0.2485

48.3977, 0.2488,
0.2790

33.1534, 0.2084,
0.2325

54.7922, 0.2642,
0.2929

29.2676, 0.1984,
0.2165


61.8940, 0.2801,
0.3058


25.9078, 0.1906,
0.2007

69.7302, 0.2958,
0.3175

23.2392, 0.1852,
0.1868

78.3262, 0.3114,
0.3281

 87.7061, 0.3264,
0.3376

 94.1203, 0.3281,
0.3466

 98.4934, 0.3274,
0.3532

Harmonies

Analogous

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



42.6798, 0.2293, 0.2912



42.6798, 0.2340, 0.2641



42.6798, 0.2580, 0.2552

Triad

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



42.6798, 0.2340, 0.2641



42.6798, 0.3846, 0.3192



42.6798, 0.3224, 0.4073

Complementary

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



42.6798, 0.2340, 0.2641



43.4823, 0.4268, 0.3838

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.



42.6798, 0.3660, 0.4101



42.6798, 0.2340, 0.2641



42.6798, 0.4040, 0.3560

Square

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



42.6798, 0.2340, 0.2641



42.6798, 0.3445, 0.2864



42.6798, 0.3965, 0.3895



42.6798, 0.2782, 0.3778

Rectangle

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



42.6798, 0.2340, 0.2641



42.6798, 0.2830, 0.2590



42.6798, 0.3965, 0.3895



42.6798, 0.3377, 0.4113

Sweetspot

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



42.6814, 0.2340, 0.2641



83.8530, 0.2893, 0.3128



62.6325, 0.2816, 0.4257



17.4998, 0.2859, 0.3103



0.0000, 0.0000, 0.0000



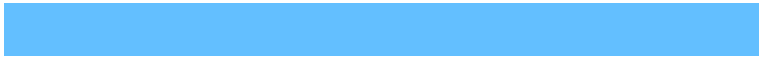
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.6814, 0.2340, 0.2641



47.2591, 0.2198, 0.2478



23.7997, 0.2180, 0.1829



15.2936, 0.2981, 0.3191



13.4027, 0.1859, 0.1892



1.1722, 0.1921, 0.2116

Inverse Universe

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



31.9996, 0.3701, 0.2521



34.0408, 0.3877, 0.2392



68.3118, 0.3929, 0.4417



14.5100, 0.3200, 0.3152



10.5507, 0.4577, 0.2295



0.7980, 0.4323, 0.2155

Previews

White Background



This preview shows how the Yxy color 42.6798, 0.2340, 0.2641 looks on a white background.

Color Contrast Check

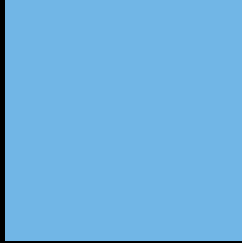
Large Text (above 18pt) WCAG AA × Fail

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 42.6798, 0.2340, 0.2641 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 42.6798, 0.2340, 0.2641

Background



This preview shows how black text looks on a background with the Yxy color 42.6798, 0.2340, 0.2641.



This preview shows how white text looks on a background with the Yxy color 42.6798, 0.2340, 0.2641.

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

42.6798, 0.2340, 0.2641

Protanopia

42.4098, 0.2658, 0.2635

Deuteranopia

42.2211, 0.2578, 0.2518



Tritanopia

42.7480, 0.2452, 0.3071

Trichromacy



Original Color

42.6798, 0.2340, 0.2641

Protanomaly

42.4709, 0.2528, 0.2634

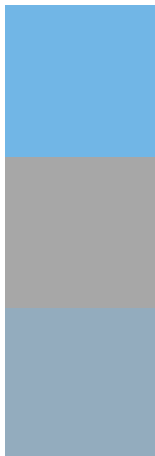
Deuteranomaly

42.1802, 0.2484, 0.2561

Tritanomaly

42.5772, 0.2409, 0.2906

Monochromacy



Original Color

42.6798, 0.2340, 0.2641

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.4258, 0.2777, 0.3034

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6798, 0.2340, 0.2641 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(113, 182, 230)` looks like.

```
.text, #text, p{  
    color:rgb(113, 182, 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(113, 182, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 182, 230) }
```

Border

The CSS property to change the border of an element to Yxy 42.6798, 0.2340, 0.2641 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(113, 182, 230) }
```

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

```
.border{ border-color:rgb(113, 182, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 182, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 182, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 182, 230);  
box-shadow:4px 4px 4px 4px rgb(113, 182,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6798, 0.2340, 0.2641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 182, 230) }
```

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

```
.background{ background-color: rgb(113,  
182, 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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