

Converting Colors

$Y_{xy}(42.1875, 0.2376, 0.2763)$

Have a look what the booklet for
Yxy(42.1875, 0.2376, 0.2763)
contains.

Yxy(42.3493, 0.2378, 0.2775)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(42.3493, 0.2378, 0.2775)

Conversions

Conversions Part 1

Format	Color
Hex	6EB7DC
RGB	110, 183, 220
RGB Percent	43%, 72%, 86%
CMY	0.5682, 0.2824, 0.1373
CMYK	0.50, 0.17, 0.00, 0.14
HSL	200°, 61%, 65%
HSV	200°, 50%, 86%
XYZ	36.2907, 42.3493, 73.9701
YIQ	165.3910, -55.3850, -3.9690

Conversions

Conversions Part 2

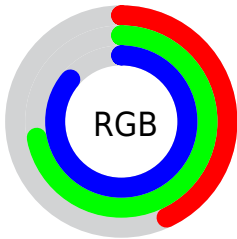
Format	Color
R _{YB}	110, 154, 220
Decimal	7256028
CIE Lab	71.11, -12.74, -25.63
CIE LCh	71, 28.620, 243.558
Yxy	42.3493, 0.2378, 0.2775
Android (android.graphics.Color)	4285446108 (0xFF6EB7DC)
YUV	165.3910, 26.9222, -48.5779
Hunter-Lab	65.0763, -14.3407, -21.8395

Details

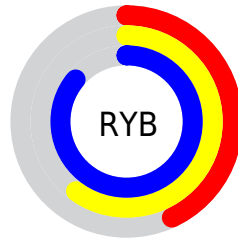
The Yxy color **42.3493, 0.2378, 0.2775** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **37.2451, 0.4289, 0.3734**, and the grayscale version is **37.7236, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1685, 0.2614, 0.3110**, and **19.3600, 0.2176, 0.2618** is the 20% darker color. If you saturate the color by 10%, you get **38.1329, 0.2251, 0.2650**, and if you desaturate by 10%, it is **47.0801, 0.2517, 0.2894**.

Distribution



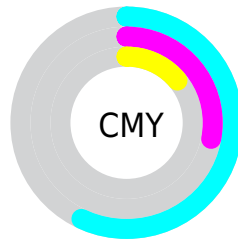
- Red (43%)
- Green (72%)
- Blue (86%)



- Red (43%)
- Yellow (60%)
- Blue (86%)



- Cyan (50%)
- Magenta (17%)
- Yellow (0%)
- Black (14%)



- Cyan (57%)
- Magenta (28%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.3493, 0.2378, 0.2775 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 42.3493, 0.2378, 0.2775 by changing the saturation by 10% instead.

■ 42.3493, 0.2378,
0.2775

■ 42.3493, 0.2378,
0.2775

■ 355.9289, 0.2746,
0.3039

■ 29.3749, 0.2289,
0.2708

■ 78.7280, 0.2510,
0.2872

■ 19.3646, 0.2177,
0.2622

■ 102.9011, 0.2560,
0.2908

■ 11.9340, 0.2031,
0.2506

■ 131.5759, 0.2603,
0.2939

■ 6.6988, 0.1836,
0.2347

■ 165.1367, 0.2639,
0.2965

■ 3.2744, 0.1566,
0.2113

■ 203.9681, 0.2671,
0.2987

■ 1.2766, 0.1177,
0.1750

■ 248.4543, 0.2700,

■ 0.1230, 0.0000,

0.3007

0.0512

298.9798, 0.2724,
0.3024

0.0000, 0.0000,
0.0000

42.3493, 0.2378,
0.2775

42.3493, 0.2378,
0.2775

38.1329, 0.2251,
0.2650

47.0801, 0.2517,
0.2894

34.3974, 0.2141,
0.2522

52.3467, 0.2665,
0.3006

31.1116, 0.2050,
0.2392

58.1745, 0.2819,
0.3110

28.2372, 0.1979,
0.2263

64.5860, 0.2974,
0.3205

25.7085, 0.1927,
0.2136

71.6019, 0.3128,
0.3290

■ 25.6975, 0.1927,
0.2136

■ 79.2420, 0.3279,
0.3367

■ 85.7582, 0.3361,
0.3438

■ 90.0859, 0.3351,
0.3510

■ 94.5923, 0.3341,
0.3581

Harmonies

Analogous

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



42.3493, 0.2401, 0.3076



42.3493, 0.2378, 0.2775



42.3493, 0.2537, 0.2632

Triad

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



42.3493, 0.2378, 0.2775



42.3493, 0.3661, 0.3091



42.3493, 0.3364, 0.4027

Complementary

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



42.3493, 0.2378, 0.2775



37.2451, 0.4289, 0.3734

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.



42.3493, 0.3725, 0.3976



42.3493, 0.2378, 0.2775



42.3493, 0.3911, 0.3421

Square

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



42.3493, 0.2378, 0.2775



42.3493, 0.3265, 0.2818



42.3493, 0.3932, 0.3743



42.3493, 0.2953, 0.3841

Rectangle

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



42.3493, 0.2378, 0.2775



42.3493, 0.2733, 0.2628



42.3493, 0.3932, 0.3743



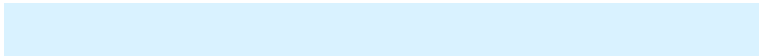
42.3493, 0.3495, 0.4035

Sweetspot

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



42.3509, 0.2378, 0.2775



85.5084, 0.2894, 0.3157



56.6054, 0.2860, 0.4343



17.8994, 0.2861, 0.3136



0.0000, 0.0000, 0.0000



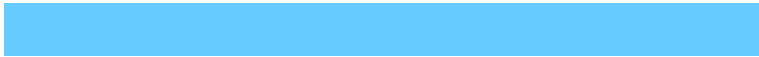
21.4041, 0.3127, 0.3290

Same Dimension

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



42.3509, 0.2378, 0.2775



52.9812, 0.2245, 0.2643



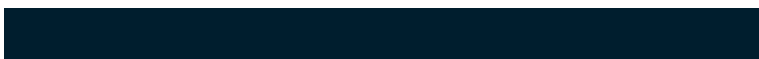
24.0358, 0.2223, 0.1969



14.0524, 0.2982, 0.3209



15.2952, 0.1932, 0.2155



1.1476, 0.1989, 0.2362

Inverse Universe

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



29.8073, 0.3586, 0.2449



35.0972, 0.3726, 0.2301



58.4356, 0.3952, 0.4327



13.1964, 0.3189, 0.3136



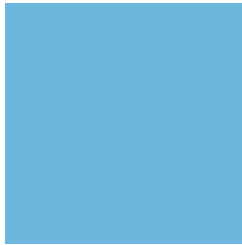
10.1678, 0.4281, 0.2132



0.6745, 0.4062, 0.2012

Previews

White Background



This preview shows how the Yxy color 42.3493, 0.2378, 0.2775 looks on a white background.

Color Contrast Check

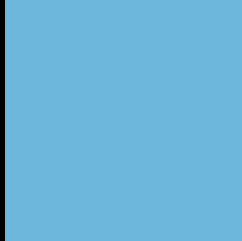
Large Text (above 18pt) WCAG AA × Fail

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 42.3493, 0.2378, 0.2775 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 42.3493, 0.2378, 0.2775

Background



This preview shows how black text looks on a background with the Yxy color 42.3493, 0.2378, 0.2775.



This preview shows how white text looks on a background with the Yxy color 42.3493, 0.2378, 0.2775.

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

42.3493, 0.2378, 0.2775

Protanopia

42.1510, 0.2754, 0.2767

Deuteranopia

41.9697, 0.2677, 0.2613



Tritanopia

42.2779, 0.2455, 0.3070

Trichromacy



Original Color

42.3493, 0.2378, 0.2775

Protanomaly

41.8863, 0.2594, 0.2765

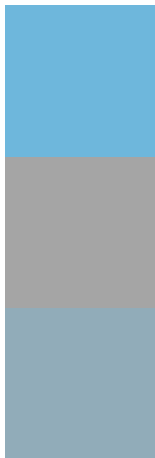
Deuteranomaly

41.8632, 0.2549, 0.2667

Tritanomaly

42.3162, 0.2425, 0.2959

Monochromacy



Original Color

42.3493, 0.2378, 0.2775

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

39.0276, 0.2797, 0.3103

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3493, 0.2378, 0.2775 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(110, 183, 220)` looks like.

```
.text, #text, p{  
    color:rgb(110, 183, 220)  
}
```

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(110, 183, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 183, 220) }
```

Border

The CSS property to change the border of an element to Yxy 42.3493, 0.2378, 0.2775 is called "border". The border property can be set on classes, ids or directly on the HTML element.

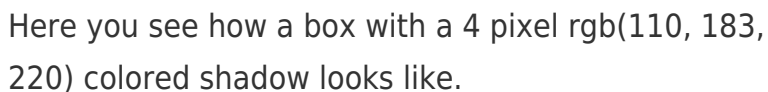
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(110, 183, 220) }
```

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

```
.border{ border-color:rgb(110, 183, 220) }
```

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



Here you see how a box with a 4 pixel `rgb(110, 183, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 183, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 183, 220);  
box-shadow:4px 4px 4px 4px rgb(110, 183,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3493, 0.2378, 0.2775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 183, 220) }
```

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

```
.background{ background-color: rgb(110,  
183, 220) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor