

Converting Colors

$Y_{xy}(37.7081, 0.2200, 0.2549)$

Have a look what the booklet for
Yxy(37.7081, 0.2200, 0.2549)
contains.

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Color

Yxy(37.6479, 0.2202, 0.2549)

Conversions

Conversions Part 1

Format	Color
Hex	54AEE2
RGB	84, 174, 226
RGB Percent	33%, 68%, 89%
CMY	0.6706, 0.3177, 0.1136
CMYK	0.63, 0.23, 0.00, 0.11
HSL	202°, 71%, 61%
HSV	202°, 63%, 89%
XYZ	32.5228, 37.6479, 77.5260
YIQ	153.0180, -70.3320, -2.9080

Conversions

Conversions Part 2

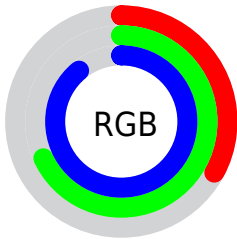
Format	Color
R _Y B	84, 139, 226
Decimal	5549794
CIE Lab	67.76, -11.32, -34.18
CIE LCh	68, 36.001, 251.680
Yxy	37.6479, 0.2202, 0.2549
Android (android.graphics.Color)	4283739874 (0xFF54AEE2)
YUV	153.0180, 35.9801, -60.5288
Hunter-Lab	61.3579, -12.7622, -31.9627

Details

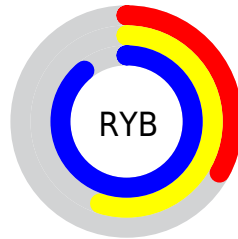
The Yxy color **37.6479, 0.2202, 0.2549** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **34.4330, 0.4692, 0.3867**, and the grayscale version is **31.7285, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.2784, 0.2489, 0.2987**, and **16.8213, 0.1986, 0.2351** is the 20% darker color. If you saturate the color by 10%, you get **33.6674, 0.2092, 0.2407**, and if you desaturate by 10%, it is **42.1647, 0.2329, 0.2688**.

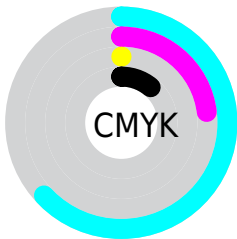
Distribution



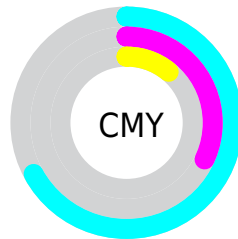
- Red (33%)
- Green (68%)
- Blue (89%)



- Red (33%)
- Yellow (55%)
- Blue (89%)



- Cyan (63%)
- Magenta (23%)
- Yellow (0%)
- Black (11%)



- Cyan (67%)
- Magenta (32%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.6479, 0.2202, 0.2549 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 37.6479, 0.2202, 0.2549 by changing the saturation by 10% instead.

■ 37.6479, 0.2202,
0.2549

■ 37.6479, 0.2202,
0.2549

■ 336.1071, 0.2660,
0.2929

■ 25.7095, 0.2091,
0.2453

■ 71.5681, 0.2366,
0.2688

■ 16.6065, 0.1953,
0.2331

■ 94.3188, 0.2428,
0.2740

■ 9.9543, 0.1774,
0.2169

■ 121.4423, 0.2482,
0.2784

■ 5.3687, 0.1539,
0.1950

■ 153.3232, 0.2527,
0.2822

■ 2.4652, 0.1222,
0.1640

■ 190.3457, 0.2567,
0.2854

■ 0.8591, 0.0753,
0.1198

■ 232.8942, 0.2602,

■ 0.0000, 0.0000,

0.2883

0.0000

281.3532, 0.2633,
0.2907

■ 37.6479, 0.2202,
0.2549

■ 37.6479, 0.2202,
0.2549

■ 33.6674, 0.2092,
0.2407

■ 42.1647, 0.2329,
0.2688

■ 30.1821, 0.2003,
0.2265

■ 47.2465, 0.2469,
0.2820

■ 27.1488, 0.1935,
0.2125

■ 52.9240, 0.2618,
0.2946

■ 25.2044, 0.1896,
0.2026

■ 59.2242, 0.2772,
0.3062

■ 66.1722, 0.2929,
0.3168

■ 73.7913, 0.3084,
0.3265

■ 82.1036, 0.3235,
0.3351

■ 89.2177, 0.3315,
0.3430

■ 94.2118, 0.3305,
0.3510

Harmonies

Analogous

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



37.6479, 0.2166, 0.2875



37.6479, 0.2202, 0.2549



37.6479, 0.2458, 0.2435

Triad

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



37.6479, 0.2202, 0.2549



37.6479, 0.3941, 0.3136



37.6479, 0.3278, 0.4236

Complementary

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



37.6479, 0.2202, 0.2549



34.4330, 0.4692, 0.3867

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.



37.6479, 0.3782, 0.4230



37.6479, 0.2202, 0.2549



37.6479, 0.4194, 0.3557

Square

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



37.6479, 0.2202, 0.2549



37.6479, 0.3452, 0.2768



37.6479, 0.4126, 0.3957



37.6479, 0.2758, 0.3910

Rectangle

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



37.6479, 0.2202, 0.2549



37.6479, 0.2737, 0.2471



37.6479, 0.4126, 0.3957



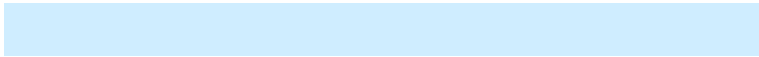
37.6479, 0.3455, 0.4271

Sweetspot

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



37.6492, 0.2202, 0.2549



81.1338, 0.2830, 0.3102



58.0081, 0.2813, 0.4643



16.8177, 0.2785, 0.3071



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.



37.6492, 0.2202, 0.2549



42.9717, 0.2067, 0.2369



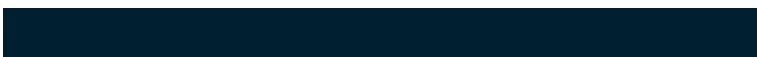
17.5440, 0.1968, 0.1536



14.6839, 0.2981, 0.3202



14.6084, 0.1902, 0.2048



1.1815, 0.1961, 0.2261

Inverse Universe

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



25.5712, 0.3817, 0.2314



28.3986, 0.4022, 0.2205



60.3464, 0.4140, 0.4563



13.8460, 0.3194, 0.3143



10.3828, 0.4399, 0.2197



0.7367, 0.4167, 0.2069

Previews

White Background



This preview shows how the Yxy color 37.6479, 0.2202, 0.2549 looks on a white background.

Color Contrast Check

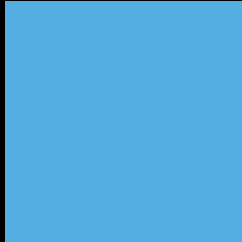
Large Text (above 18pt) WCAG AA × Fail

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 37.6479, 0.2202, 0.2549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

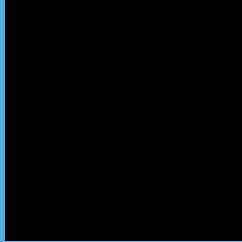
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

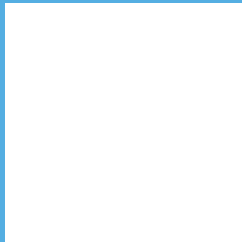
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.6479, 0.2202, 0.2549

Background



This preview shows how black text looks on a background with the Yxy color 37.6479, 0.2202, 0.2549.

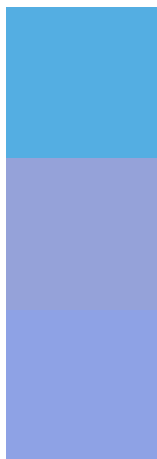


This preview shows how white text looks on a background with the Yxy color 37.6479, 0.2202, 0.2549.

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

37.6479, 0.2202, 0.2549

Protanopia

37.2400, 0.2593, 0.2552

Deuteranopia

37.2486, 0.2469, 0.2407



Tritanopia

37.7665, 0.2312, 0.3069

Trichromacy



Original Color

37.6479, 0.2202, 0.2549

Protanomaly

36.7997, 0.2418, 0.2542

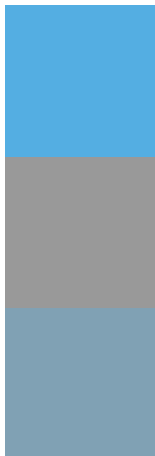
Deuteranomaly

36.9388, 0.2351, 0.2444

Tritanomaly

37.7529, 0.2268, 0.2866

Monochromacy



Original Color

37.6479, 0.2202, 0.2549

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

33.3742, 0.2685, 0.2998

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6479, 0.2202, 0.2549 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(84, 174, 226)` looks like.

```
.text, #text, p{  
    color:rgb(84, 174, 226)  
}
```

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(84, 174, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 174, 226) }
```

Border

The CSS property to change the border of an element to Yxy 37.6479, 0.2202, 0.2549 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(84, 174, 226) }
```

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

```
.border{ border-color:rgb(84, 174, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 174, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 174, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 174, 226);  
box-shadow:4px 4px 4px 4px rgb(84, 174,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6479, 0.2202, 0.2549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 174, 226) }
```

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

```
.background{ background-color: rgb(84, 174,  
226) }
```

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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