

Converting Colors

$Yxy(37.7168, 0.2246, 0.2618)$

Have a look what the booklet for
Yxy(37.7168, 0.2246, 0.2618)
contains.

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Color

Yxy(37.6164, 0.2245, 0.2614)

Conversions

Conversions Part 1

Format	Color
Hex	59AEDD
RGB	89, 174, 221
RGB Percent	35%, 68%, 87%
CMY	0.6511, 0.3176, 0.1332
CMYK	0.60, 0.21, 0.00, 0.13
HSL	201°, 66%, 61%
HSV	201°, 60%, 87%
XYZ	32.3064, 37.6164, 73.9808
YIQ	153.9430, -65.7470, -3.4030

Conversions

Conversions Part 2

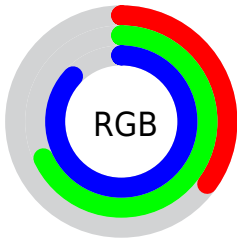
Format	Color
RYB	89, 141, 221
Decimal	5877469
CIELab	67.74, -11.99, -31.45
CIELCh	68, 33.661, 249.127
Yxy	37.6164, 0.2245, 0.2614
Android (android.graphics.Color)	4284067549 (0xFF59AEDD)
YUV	153.9430, 33.0591, -56.9550
Hunter-Lab	61.3322, -13.3076, -28.5849

Details

The Yxy color **37.6164, 0.2245, 0.2614** 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 **33.6999, 0.4597, 0.3832**, and the grayscale version is **32.1596, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.6482, 0.2508, 0.2988**, and **16.6787, 0.2005, 0.2414** is the 20% darker color. If you saturate the color by 10%, you get **33.7319, 0.2131, 0.2477**, and if you desaturate by 10%, it is **42.0099, 0.2375, 0.2747**.

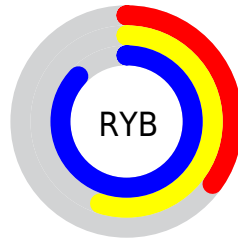
Distribution



Red (35%)

Green (68%)

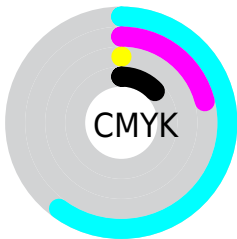
Blue (87%)



Red (35%)

Yellow (55%)

Blue (87%)

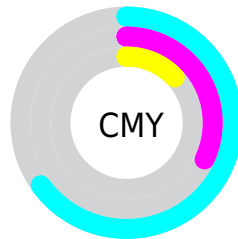


Cyan (60%)

Magenta (21%)

Yellow (0%)

Black (13%)



Cyan (65%)

Magenta (32%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.6164, 0.2245, 0.2614 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 37.6164, 0.2245, 0.2614 by changing the saturation by 10% instead.

■ 37.6164, 0.2245,
0.2614

■ 37.6164, 0.2245,
0.2614

■ 335.9716, 0.2683,
0.2963

■ 25.6851, 0.2138,
0.2525

■ 71.5198, 0.2403,
0.2743

■ 16.5882, 0.2004,
0.2411

■ 94.2607, 0.2462,
0.2790

■ 9.9413, 0.1830,
0.2259

■ 121.3736, 0.2513,
0.2831

■ 5.3601, 0.1599,
0.2050

■ 153.2428, 0.2557,
0.2865

■ 2.4600, 0.1284,
0.1749

■ 190.2529, 0.2595,
0.2895

■ 0.8565, 0.0797,
0.1310

■ 232.7881, 0.2628,

■ 0.0000, 0.0000,

0.2921

0.0000

281.2328, 0.2657,
0.2943

■ 37.6164, 0.2245,
0.2614

■ 37.6164, 0.2245,
0.2614

■ 33.7319, 0.2131,
0.2477

■ 42.0099, 0.2375,
0.2747

■ 30.3188, 0.2037,
0.2339

■ 46.9379, 0.2517,
0.2873

■ 27.3394, 0.1963,
0.2203

■ 52.4286, 0.2667,
0.2992

■ 24.7286, 0.1908,
0.2069

■ 58.5065, 0.2821,
0.3102

■ 24.6662, 0.1907,
0.2065

■ 65.1946, 0.2977,
0.3202

■ 72.5145, 0.3131,
0.3292

■ 80.4864, 0.3281,
0.3373

■ 87.0270, 0.3351,
0.3449

■ 91.6834, 0.3341,
0.3525

Harmonies

Analogous

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



37.6164, 0.2230, 0.2939



37.6164, 0.2245, 0.2614



37.6164, 0.2471, 0.2487

Triad

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



37.6164, 0.2245, 0.2614



37.6164, 0.3856, 0.3115



37.6164, 0.3314, 0.4183

Complementary

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



37.6164, 0.2245, 0.2614



33.6999, 0.4597, 0.3832

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.



37.6164, 0.3778, 0.4157



37.6164, 0.2245, 0.2614



37.6164, 0.4116, 0.3512

Square

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



37.6164, 0.2245, 0.2614



37.6164, 0.3388, 0.2774



37.6164, 0.4080, 0.3892



37.6164, 0.2822, 0.3903

Rectangle

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



37.6164, 0.2245, 0.2614



37.6164, 0.2725, 0.2510



37.6164, 0.4080, 0.3892



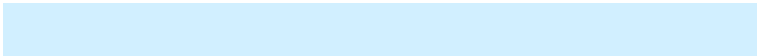
37.6164, 0.3479, 0.4208

Sweetspot

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



37.6178, 0.2245, 0.2614



82.3227, 0.2846, 0.3118



55.6022, 0.2820, 0.4562



17.0659, 0.2801, 0.3088



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.



37.6178, 0.2245, 0.2614



45.2419, 0.2103, 0.2438



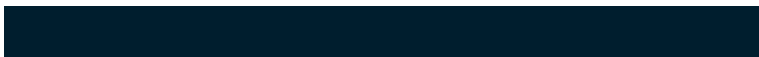
18.2324, 0.2026, 0.1634



14.0089, 0.2982, 0.3205



14.5466, 0.1913, 0.2086



1.1028, 0.1974, 0.2305

Inverse Universe

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



25.5707, 0.3750, 0.2337



29.5191, 0.3947, 0.2208



57.9703, 0.4094, 0.4515



13.1920, 0.3192, 0.3141



10.0923, 0.4356, 0.2174



0.6700, 0.4121, 0.2044

Previews

White Background



This preview shows how the Yxy color 37.6164, 0.2245, 0.2614 looks on a white background.

Color Contrast Check

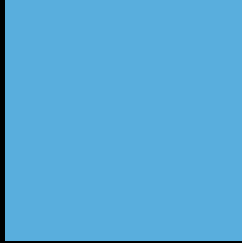
Large Text (above 18pt) WCAG AA × Fail

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 37.6164, 0.2245, 0.2614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

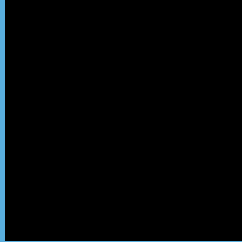
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

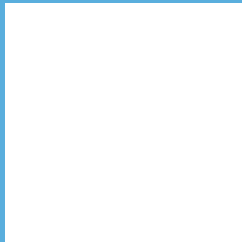
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.6164, 0.2245, 0.2614

Background



This preview shows how black text looks on a background with the Yxy color 37.6164, 0.2245, 0.2614.

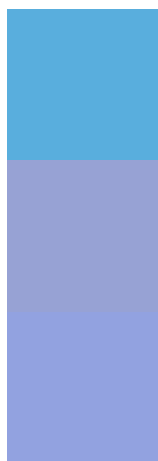


This preview shows how white text looks on a background with the Yxy color 37.6164, 0.2245, 0.2614.

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

37.6164, 0.2245, 0.2614

Protanopia

37.1734, 0.2641, 0.2614

Deuteranopia

37.3335, 0.2527, 0.2468



Tritanopia

37.6682, 0.2348, 0.3070

Trichromacy



Original Color

37.6164, 0.2245, 0.2614

Protanomaly

36.7679, 0.2466, 0.2605

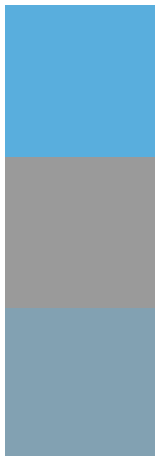
Deuteranomaly

36.9601, 0.2402, 0.2507

Tritanomaly

37.5054, 0.2307, 0.2895

Monochromacy



Original Color

37.6164, 0.2245, 0.2614

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.4499, 0.2715, 0.3029

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6164, 0.2245, 0.2614 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(89, 174, 221)` looks like.

```
.text, #text, p{  
    color:rgb(89, 174, 221)  
}
```

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(89, 174, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 174, 221) }
```

Border

The CSS property to change the border of an element to Yxy 37.6164, 0.2245, 0.2614 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(89, 174, 221) }
```

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

```
.border{ border-color:rgb(89, 174, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 174, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 174, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 174, 221);  
box-shadow:4px 4px 4px 4px rgb(89, 174,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6164, 0.2245, 0.2614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 174, 221) }
```

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

```
.background{ background-color: rgb(89, 174,  
221) }
```

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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