

Converting Colors

$Yxy(37.1816, 0.2166, 0.2448)$

Have a look what the booklet for
Yxy(37.1816, 0.2166, 0.2448)
contains.

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Color

Yxy(37.1702, 0.2166, 0.2448)

Conversions

Conversions Part 1

Format	Color
Hex	53ACE8
RGB	83, 172, 232
RGB Percent	33%, 67%, 91%
CMY	0.6743, 0.3255, 0.0902
CMYK	0.64, 0.26, 0.00, 0.09
HSL	204°, 76%, 62%
HSV	204°, 64%, 91%
XYZ	32.8883, 37.1702, 81.7805
YIQ	152.2290, -72.3040, -0.2080

Conversions

Conversions Part 2

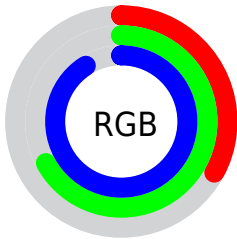
Format	Color
R _Y B	83, 139, 232
Decimal	5483752
CIE Lab	67.40, -8.48, -38.00
CIE LCh	67, 38.933, 257.423
Yxy	37.1702, 0.2166, 0.2448
Android (android.graphics.Color)	4283673832 (0xFF53ACE8)
YUV	152.2290, 39.3271, -60.7138
Hunter-Lab	60.9674, -10.4026, -36.8534

Details

The Yxy color **37.1702, 0.2166, 0.2448** 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 **37.4448, 0.4693, 0.3934**, and the grayscale version is **31.3612, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.1779, 0.2485, 0.2963**, and **16.5675, 0.1950, 0.2220** is the 20% darker color. If you saturate the color by 10%, you get **32.8526, 0.2054, 0.2290**, and if you desaturate by 10%, it is **42.0936, 0.2296, 0.2603**.

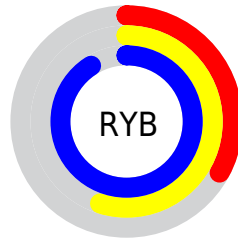
Distribution



Red (33%)

Green (67%)

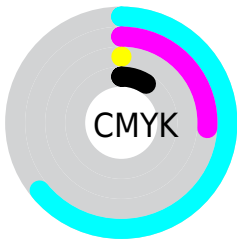
Blue (91%)



Red (33%)

Yellow (55%)

Blue (91%)

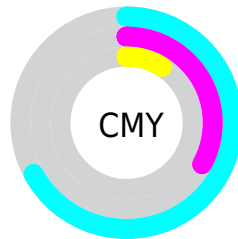


Cyan (64%)

Magenta (26%)

Yellow (0%)

Black (9%)



Cyan (67%)


Magenta (33%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.1702, 0.2166, 0.2448 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 37.1702, 0.2166, 0.2448 by changing the saturation by 10% instead.


 37.1702, 0.2166,
0.2448


 37.1702, 0.2166,
0.2448


334.0468, 0.2641,
0.2876


 25.3393, 0.2052,
0.2342


 70.8345, 0.2336,
0.2603


 16.3300, 0.1909,
0.2208


 93.4366, 0.2401,
0.2662

 9.7580, 0.1727,
0.2033


 120.3980, 0.2456,
0.2711

 5.2388, 0.1488,
0.1799

 152.1030, 0.2503,
0.2754

 2.3880, 0.1170,
0.1477

188.9360, 0.2544,
0.2790

 0.8197, 0.0721,
0.1033

231.2813, 0.2581,

 0.0000, 0.0000,

0.2822

0.0000

279.5235, 0.2613,
0.2851

■ 37.1702, 0.2166,
0.2448

■ 37.1702, 0.2166,
0.2448

■ 32.8526, 0.2054,
0.2290

■ 42.0936, 0.2296,
0.2603

■ 29.0951, 0.1962,
0.2133

■ 47.6555, 0.2439,
0.2751

■ 25.8486, 0.1892,
0.1980

■ 53.8904, 0.2591,
0.2891

■ 24.1558, 0.1859,
0.1893

■ 60.8285, 0.2748,
0.3021

■ 68.4978, 0.2907,
0.3140

■ 76.9246, 0.3063,
0.3248

■ 86.1338, 0.3215,
0.3345

■ 93.4649, 0.3270,
0.3434

■ 98.6059, 0.3262,
0.3513

Harmonies

Analogous

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



37.1702, 0.2081, 0.2751



37.1702, 0.2166, 0.2448



37.1702, 0.2481, 0.2372

Triad

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



37.1702, 0.2166, 0.2448



37.1702, 0.4090, 0.3204



37.1702, 0.3173, 0.4284

Complementary

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



37.1702, 0.2166, 0.2448



37.4448, 0.4693, 0.3934

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.



37.1702, 0.3735, 0.4338



37.1702, 0.2166, 0.2448



37.1702, 0.4298, 0.3658

Square

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



37.1702, 0.2166, 0.2448



37.1702, 0.3591, 0.2795



37.1702, 0.4155, 0.4077



37.1702, 0.2628, 0.3865

Rectangle

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



37.1702, 0.2166, 0.2448



37.1702, 0.2804, 0.2437



37.1702, 0.4155, 0.4077



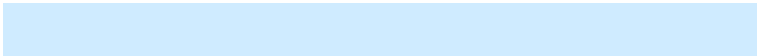
37.1702, 0.3367, 0.4345

Sweetspot

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



37.1715, 0.2166, 0.2448



80.1132, 0.2829, 0.3083



61.5245, 0.2775, 0.4570



16.5703, 0.2784, 0.3049



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.



37.1715, 0.2166, 0.2448



39.1494, 0.2022, 0.2240



16.3956, 0.1920, 0.1399



15.3112, 0.2981, 0.3193



13.6642, 0.1866, 0.1917



1.1907, 0.1927, 0.2138

Inverse Universe

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



26.3300, 0.3914, 0.2352



27.4826, 0.4157, 0.2257



67.4588, 0.4110, 0.4646



14.5118, 0.3199, 0.3151



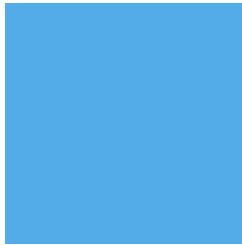
10.5771, 0.4548, 0.2279



0.7999, 0.4299, 0.2142

Previews

White Background



This preview shows how the Yxy color 37.1702, 0.2166, 0.2448 looks on a white background.

Color Contrast Check

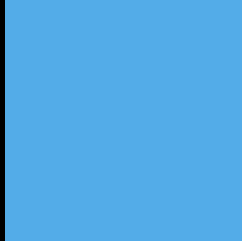
Large Text (above 18pt) WCAG AA × Fail

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 37.1702, 0.2166, 0.2448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

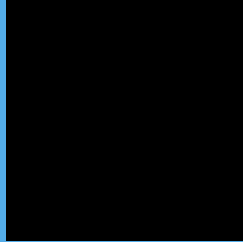
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

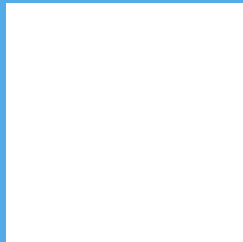
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.1702, 0.2166, 0.2448

Background



This preview shows how black text looks on a background with the Yxy color 37.1702, 0.2166, 0.2448.

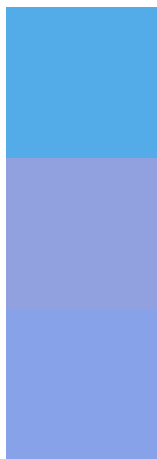


This preview shows how white text looks on a background with the Yxy color 37.1702, 0.2166, 0.2448.

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

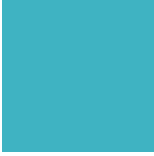
37.1702, 0.2166, 0.2448

Protanopia

36.8372, 0.2524, 0.2464

Deuteranopia

37.0154, 0.2401, 0.2344



Tritanopia

37.1920, 0.2290, 0.3052

Trichromacy



Original Color

37.1702, 0.2166, 0.2448

Protanomaly

36.5388, 0.2365, 0.2454

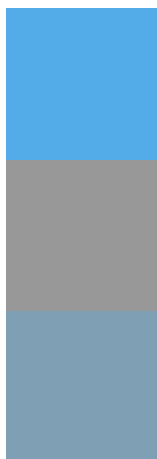
Deuteranomaly

36.9375, 0.2303, 0.2384

Tritanomaly

36.9068, 0.2237, 0.2805

Monochromacy



Original Color

37.1702, 0.2166, 0.2448

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.6445, 0.2666, 0.2952

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1702, 0.2166, 0.2448 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(83, 172, 232)` looks like.

```
.text, #text, p{  
    color:rgb(83, 172, 232)  
}
```

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(83, 172, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 172, 232) }
```

Border

The CSS property to change the border of an element to Yxy 37.1702, 0.2166, 0.2448 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(83, 172, 232) }
```

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

```
.border{ border-color:rgb(83, 172, 232) }
```

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

Here you see how a box with a 4 pixel rgb(83, 172, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 172, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 172, 232);  
box-shadow:4px 4px 4px 4px rgb(83, 172,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1702, 0.2166, 0.2448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 172, 232) }
```

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

```
.background{ background-color: rgb(83, 172,  
232) }
```

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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