

Converting Colors

$Y_{xy}(37.4270, 0.2213, 0.2501)$

Have a look what the booklet for
Yxy(37.4270, 0.2213, 0.2501)
contains.

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Color

Yxy(37.3306, 0.2216, 0.2501)

Conversions

Conversions Part 1

Format	Color
Hex	5BACE4
RGB	91, 172, 228
RGB Percent	36%, 67%, 89%
CMY	0.6427, 0.3255, 0.1059
CMYK	0.60, 0.25, 0.00, 0.11
HSL	205°, 72%, 63%
HSV	205°, 60%, 89%
XYZ	33.0766, 37.3306, 78.8555
YIQ	154.1650, -66.2520, 0.2440

Conversions

Conversions Part 2

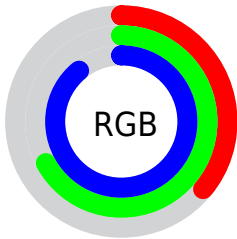
Format	Color
R _Y B	91, 142, 228
Decimal	6008036
CIE Lab	67.52, -8.33, -35.60
CIE LCh	68, 36.559, 256.837
Yxy	37.3306, 0.2216, 0.2501
Android (android.graphics.Color)	4284198116 (0xFF5BACE4)
YUV	154.1650, 36.4007, -55.3957
Hunter-Lab	61.0988, -10.2896, -33.7519

Details

The Yxy color **37.3306, 0.2216, 0.2501** 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 **38.1501, 0.4550, 0.3916**, and the grayscale version is **32.2610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.7375, 0.2514, 0.2965**, and **16.4373, 0.1971, 0.2280** is the 20% darker color. If you saturate the color by 10%, you get **32.9159, 0.2095, 0.2342**, and if you desaturate by 10%, it is **42.3491, 0.2353, 0.2656**.

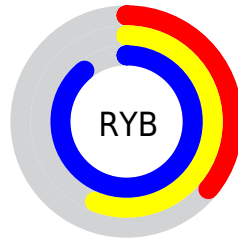
Distribution



Red (36%)

Green (67%)

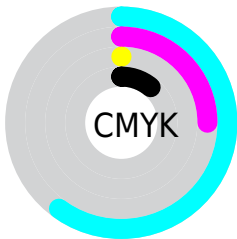
Blue (89%)



Red (36%)

Yellow (56%)

Blue (89%)

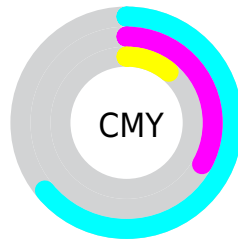


Cyan (60%)

Magenta (25%)

Yellow (0%)

Black (11%)



Cyan (64%)

Magenta (33%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.3306, 0.2216, 0.2501 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 37.3306, 0.2216, 0.2501 by changing the saturation by 10% instead.

■ 37.3306, 0.2216,
0.2501

■ 37.3306, 0.2216,
0.2501

■ 334.7396, 0.2668,
0.2903

■ 25.4636, 0.2107,
0.2401

■ 71.0810, 0.2378,
0.2648

■ 16.4228, 0.1969,
0.2273

■ 93.7331, 0.2440,
0.2702

■ 9.8238, 0.1793,
0.2106

■ 120.7490, 0.2492,
0.2749

■ 5.2823, 0.1559,
0.1880

■ 152.5131, 0.2537,
0.2789

■ 2.4138, 0.1245,
0.1565

■ 189.4099, 0.2576,
0.2823

■ 0.8330, 0.0792,
0.1121

■ 231.8236, 0.2611,

■ 0.0000, 0.0000,

0.2853

0.0000

280.1387, 0.2641,
0.2880

■ 37.3306, 0.2216,
0.2501

■ 37.3306, 0.2216,
0.2501

■ 32.9159, 0.2095,
0.2342

■ 42.3491, 0.2353,
0.2656

■ 29.0631, 0.1993,
0.2182

■ 48.0013, 0.2501,
0.2803

■ 25.7289, 0.1913,
0.2024

■ 54.3191, 0.2656,
0.2942

■ 22.8511, 0.1853,
0.1872

■ 61.3309, 0.2814,
0.3069

■ 69.0631, 0.2972,
0.3185

■ 77.5402, 0.3127,
0.3290

■ 86.7859, 0.3276,
0.3383

■ 93.1438, 0.3295,
0.3472

■ 98.3811, 0.3286,
0.3552

Harmonies

Analogous

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



37.3306, 0.2140, 0.2795



37.3306, 0.2216, 0.2501



37.3306, 0.2512, 0.2423

Triad

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



37.3306, 0.2216, 0.2501



37.3306, 0.4022, 0.3204



37.3306, 0.3185, 0.4221

Complementary

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



37.3306, 0.2216, 0.2501



38.1501, 0.4550, 0.3916

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.



37.3306, 0.3712, 0.4271



37.3306, 0.2216, 0.2501



37.3306, 0.4225, 0.3634

Square

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



37.3306, 0.2216, 0.2501



37.3306, 0.3553, 0.2817



37.3306, 0.4101, 0.4028



37.3306, 0.2669, 0.3837

Rectangle

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



37.3306, 0.2216, 0.2501



37.3306, 0.2815, 0.2481



37.3306, 0.4101, 0.4028



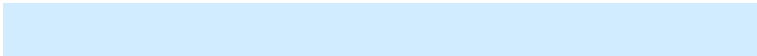
37.3306, 0.3367, 0.4277

Sweetspot

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



37.3319, 0.2216, 0.2501



80.9088, 0.2845, 0.3092



59.7835, 0.2785, 0.4470



16.7199, 0.2798, 0.3057



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.



37.3319, 0.2216, 0.2501



41.1723, 0.2069, 0.2303



17.8911, 0.1999, 0.1531



15.2958, 0.2981, 0.3191



13.4346, 0.1860, 0.1895



1.1744, 0.1922, 0.2119

Inverse Universe

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



26.9708, 0.3852, 0.2406



29.1083, 0.4079, 0.2294



65.4973, 0.4056, 0.4580



14.5102, 0.3200, 0.3152



10.5539, 0.4574, 0.2293



0.7982, 0.4320, 0.2154

Previews

White Background



This preview shows how the Yxy color 37.3306, 0.2216, 0.2501 looks on a white background.

Color Contrast Check

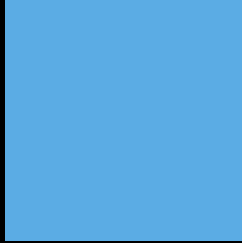
Large Text (above 18pt) WCAG AA × Fail

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 37.3306, 0.2216, 0.2501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

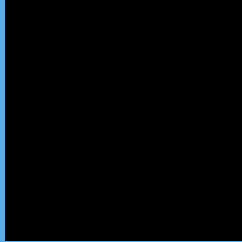
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

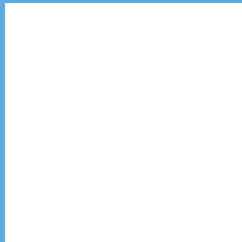
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.3306, 0.2216, 0.2501

Background



This preview shows how black text looks on a background with the Yxy color 37.3306, 0.2216, 0.2501.

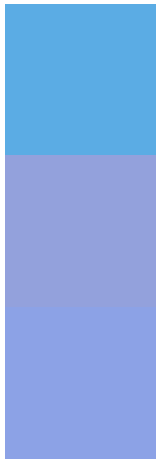


This preview shows how white text looks on a background with the Yxy color 37.3306, 0.2216, 0.2501.

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

37.3306, 0.2216, 0.2501

Protanopia

36.8601, 0.2557, 0.2501

Deuteranopia

37.1293, 0.2450, 0.2393



Tritanopia

37.1869, 0.2336, 0.3054

Trichromacy



Original Color

37.3306, 0.2216, 0.2501

Protanomaly

36.7500, 0.2412, 0.2495

Deuteranomaly

37.0672, 0.2351, 0.2434

Tritanomaly

37.2562, 0.2289, 0.2837

Monochromacy



Original Color

37.3306, 0.2216, 0.2501

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.6512, 0.2701, 0.2986

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3306, 0.2216, 0.2501 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(91, 172, 228)` looks like.

```
.text, #text, p{  
    color:rgb(91, 172, 228)  
}
```

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(91, 172, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 172, 228) }
```

Border

The CSS property to change the border of an element to Yxy 37.3306, 0.2216, 0.2501 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(91, 172, 228) }
```

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

```
.border{ border-color:rgb(91, 172, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 172, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 172, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 172, 228);  
box-shadow:4px 4px 4px 4px rgb(91, 172,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3306, 0.2216, 0.2501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 172, 228) }
```

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

```
.background{ background-color: rgb(91, 172,  
228) }
```

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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