

Converting Colors

$Y_{xy}(37.7965, 0.2073, 0.2388)$

Have a look what the booklet for
Yxy(37.7965, 0.2073, 0.2388)
contains.

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Color

Yxy(37.9119, 0.2072, 0.2387)

Conversions

Conversions Part 1

Format	Color
Hex	3CAFF0
RGB	60, 175, 240
RGB Percent	24%, 69%, 94%
CMY	0.7656, 0.3136, 0.0589
CMYK	0.75, 0.27, 0.00, 0.06
HSL	202°, 86%, 59%
HSV	202°, 75%, 94%
XYZ	32.9089, 37.9119, 88.0058
YIQ	148.0250, -89.4050, -4.1650

Conversions

Conversions Part 2

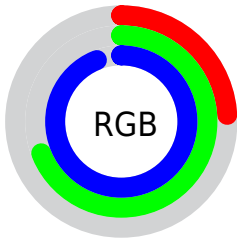
Format	Color
RYB	60, 130, 240
Decimal	3977200
CIELab	67.96, -10.78, -41.55
CIElCh	68, 42.925, 255.455
Yxy	37.9119, 0.2072, 0.2387
Android (android.graphics.Color)	4282167280 (0xFF3CAFF0)
YUV	148.0250, 45.3437, -77.1979
Hunter-Lab	61.5726, -12.3488, -41.6424

Details

The Yxy color **37.9119, 0.2072, 0.2387** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **33.4469, 0.5129, 0.3895**, and the grayscale version is **29.4370, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.5595, 0.2426, 0.2994**, and **17.6266, 0.1936, 0.2169** is the 20% darker color. If you saturate the color by 10%, you get **34.0696, 0.1988, 0.2247**, and if you desaturate by 10%, it is **42.3107, 0.2176, 0.2527**.

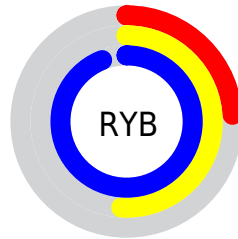
Distribution



Red (24%)

Green (69%)

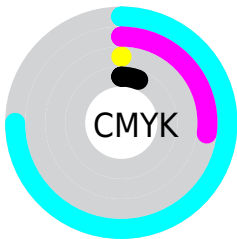
Blue (94%)



Red (24%)

Yellow (51%)

Blue (94%)

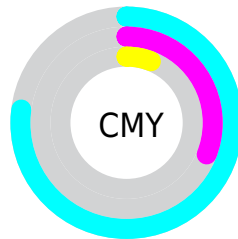


Cyan (75%)

Magenta (27%)

Yellow (0%)

Black (6%)



Cyan (77%)


Magenta (31%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.9119, 0.2072, 0.2387 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 37.9119, 0.2072, 0.2387 by changing the saturation by 10% instead.


 37.9119, 0.2072,
0.2387


 37.9119, 0.2072,
0.2387


337.2419, 0.2588,
0.2843

 25.9143, 0.1951,
0.2275


 71.9731, 0.2255,
0.2552


 16.7596, 0.1800,
0.2134


 94.8055, 0.2325,
0.2614

 10.0632, 0.1610,
0.1953


 122.0183, 0.2385,
0.2667

 5.4409, 0.1366,
0.1713

 153.9958, 0.2436,
0.2712

 2.5082, 0.1050,
0.1389

191.1226, 0.2481,
0.2752

 0.8807, 0.0624,
0.0958

233.7829, 0.2521,

 0.0000, 0.0000,

0.2786

0.0000

282.3612, 0.2556,
0.2816

■ 37.9119, 0.2072,
0.2387

■ 37.9119, 0.2072,
0.2387

■ 34.0696, 0.1988,
0.2247

■ 42.3107, 0.2176,
0.2527

■ 30.7259, 0.1926,
0.2109

■ 47.3065, 0.2299,
0.2665

■ 29.2282, 0.1901,
0.2043

■ 52.9396, 0.2435,
0.2797

■ 59.2444, 0.2583,
0.2923

■ 66.2527, 0.2736,
0.3040

73.9937, 0.2893,
0.3147

82.4946, 0.3049,
0.3244

91.7813, 0.3202,
0.3332

97.7249, 0.3216,
0.3414

Harmonies

Analogous

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



37.9119, 0.1997, 0.2726



37.9119, 0.2072, 0.2387



37.9119, 0.2394, 0.2295

Triad

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



37.9119, 0.2072, 0.2387



37.9119, 0.4154, 0.3159



37.9119, 0.3212, 0.4405

Complementary

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



37.9119, 0.2072, 0.2387



33.4469, 0.5129, 0.3895

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.



37.9119, 0.3820, 0.4425



37.9119, 0.2072, 0.2387



37.9119, 0.4405, 0.3647

Square

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



37.9119, 0.2072, 0.2387



37.9119, 0.3591, 0.2727



37.9119, 0.4267, 0.4111



37.9119, 0.2613, 0.3964

Rectangle

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



37.9119, 0.2072, 0.2387



37.9119, 0.2734, 0.2356



37.9119, 0.4267, 0.4111



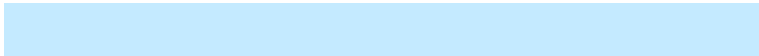
37.9119, 0.3422, 0.4459

Sweetspot

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



37.9132, 0.2072, 0.2387



77.7677, 0.2768, 0.3062



64.6892, 0.2802, 0.4957



15.9879, 0.2711, 0.3022



0.0000, 0.0000, 0.0000



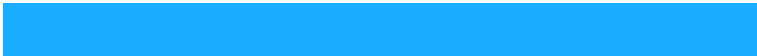
21.4041, 0.3127, 0.3290

Same Dimension

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



37.9132, 0.2072, 0.2387



37.0416, 0.1953, 0.2175



14.0298, 0.1762, 0.1179



16.9147, 0.2980, 0.3203



16.2639, 0.1907, 0.2065



1.5409, 0.1957, 0.2244

Inverse Universe

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



24.8268, 0.4004, 0.2196



24.9658, 0.4251, 0.2163



66.4098, 0.4298, 0.4716



15.9291, 0.3193, 0.3140



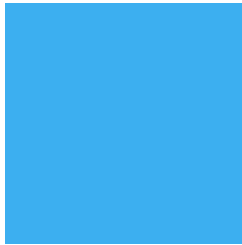
11.4352, 0.4380, 0.2186



0.9703, 0.4185, 0.2079

Previews

White Background



This preview shows how the Yxy color 37.9119, 0.2072, 0.2387 looks on a white background.

Color Contrast Check

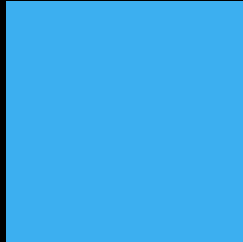
Large Text (above 18pt) WCAG AA × Fail

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 37.9119, 0.2072, 0.2387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

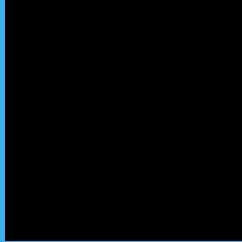
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

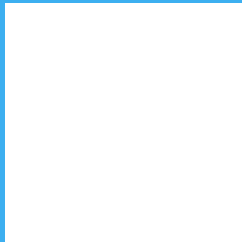
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.9119, 0.2072, 0.2387

Background



This preview shows how black text looks on a background with the Yxy color 37.9119, 0.2072, 0.2387.



This preview shows how white text looks on a background with the Yxy color 37.9119, 0.2072, 0.2387.

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

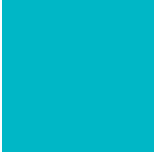
37.9119, 0.2072, 0.2387

Protanopia

37.4831, 0.2477, 0.2399

Deuteranopia

37.4907, 0.2326, 0.2257



Tritanopia

37.9442, 0.2181, 0.3050

Trichromacy



Original Color

37.9119, 0.2072, 0.2387

Protanomaly

37.0887, 0.2279, 0.2382

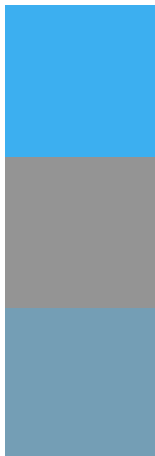
Deuteranomaly

37.0515, 0.2202, 0.2287

Tritanomaly

37.6172, 0.2123, 0.2787

Monochromacy



Original Color

37.9119, 0.2072, 0.2387

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

31.5029, 0.2581, 0.2928

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9119, 0.2072, 0.2387 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(60, 175, 240)` looks like.

```
.text, #text, p{  
    color:rgb(60, 175, 240)  
}
```

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(60, 175, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 175, 240) }
```

Border

The CSS property to change the border of an element to Yxy 37.9119, 0.2072, 0.2387 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(60, 175, 240) }
```

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

```
.border{ border-color:rgb(60, 175, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 175, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 175, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 175, 240);  
box-shadow:4px 4px 4px 4px rgb(60, 175,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9119, 0.2072, 0.2387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 175, 240) }
```

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

```
.background{ background-color: rgb(60, 175,  
240) }
```

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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