

Converting Colors

$Yxy(37.8426, 0.2029, 0.2321)$

Have a look what the booklet for
Yxy(37.8426, 0.2029, 0.2321)
contains.

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Color

Yxy(37.9055, 0.2030, 0.2326)

Conversions

Conversions Part 1

Format	Color
Hex	31AFF5
RGB	49, 175, 245
RGB Percent	19%, 69%, 96%
CMY	0.8077, 0.3137, 0.0391
CMYK	0.80, 0.29, 0.00, 0.04
HSL	201°, 91%, 58%
HSV	201°, 80%, 96%
XYZ	33.0818, 37.9055, 91.9771
YIQ	145.3060, -97.5660, -4.9420

Conversions

Conversions Part 2

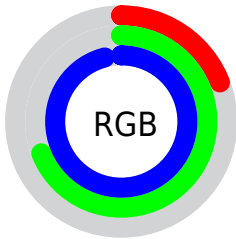
Format	Color
R_{YB}	49, 126, 245
Decimal	3256309
CIE _{Lab}	67.95, -10.15, -44.32
CIE _{LCh}	68, 45.465, 257.106
Yxy	37.9055, 0.2030, 0.2326
Android (android.graphics.Color)	4281446389 (0xFF31AFF5)
YUV	145.3060, 49.1491, -84.4604
Hunter-Lab	61.5674, -11.8304, -45.4775

Details

The Yxy color **37.9055, 0.2030, 0.2326** 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 **32.8496, 0.5301, 0.3885**, and the grayscale version is **28.2782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.1736, 0.2405, 0.2992**, and **17.7968, 0.1921, 0.2116** is the 20% darker color. If you saturate the color by 10%, you get **34.1553, 0.1957, 0.2188**, and if you desaturate by 10%, it is **42.2099, 0.2124, 0.2465**.

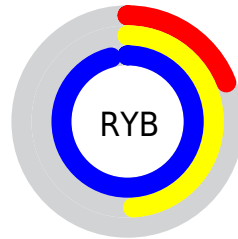
Distribution



Red (19%)

Green (69%)

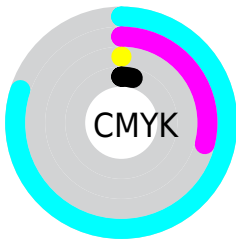
Blue (96%)



Red (19%)

Yellow (49%)

Blue (96%)

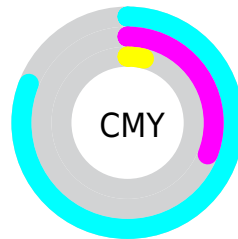


Cyan (80%)

Magenta (29%)

Yellow (0%)

Black (4%)



Cyan (81%)

Magenta (31%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.9055, 0.2030, 0.2326 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 37.9055, 0.2030, 0.2326 by changing the saturation by 10% instead.

37.9055, 0.2030,
0.2326

37.9055, 0.2030,
0.2326

337.2144, 0.2564,
0.2810

25.9094, 0.1905,
0.2209

71.9633, 0.2218,
0.2500

16.7558, 0.1751,
0.2062

94.7937, 0.2291,
0.2566

10.0606, 0.1558,
0.1874

122.0043, 0.2353,
0.2622

5.4391, 0.1312,
0.1629

153.9795, 0.2407,
0.2670

2.5071, 0.0999,
0.1303

191.1038, 0.2453,
0.2712

0.8802, 0.0588,
0.0879

233.7614, 0.2495,

0.0000, 0.0000,

0.2749

0.0000

282.3368, 0.2531,
0.2781

■ 37.9055, 0.2030,
0.2326

■ 37.9055, 0.2030,
0.2326

■ 34.1553, 0.1957,
0.2188

■ 42.2099, 0.2124,
0.2465

■ 30.8731, 0.1904,
0.2053

■ 47.1158, 0.2237,
0.2604

■ 30.8680, 0.1904,
0.2053

■ 52.6676, 0.2367,
0.2738

■ 58.9038, 0.2509,
0.2866

■ 65.8590, 0.2660,
0.2986

■ 73.5650, 0.2816,
0.3097

■ 82.0513, 0.2972,
0.3199

■ 91.3458, 0.3127,
0.3290

■ 98.6064, 0.3186,
0.3374

Harmonies

Analogous

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



37.9055, 0.1936, 0.2664



37.9055, 0.2030, 0.2326



37.9055, 0.2380, 0.2246

Triad

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



37.9055, 0.2030, 0.2326



37.9055, 0.4241, 0.3175



37.9055, 0.3175, 0.4463

Complementary

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



37.9055, 0.2030, 0.2326



32.8496, 0.5301, 0.3885

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.



37.9055, 0.3820, 0.4500



37.9055, 0.2030, 0.2326



37.9055, 0.4482, 0.3686

Square

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



37.9055, 0.2030, 0.2326



37.9055, 0.3654, 0.2719



37.9055, 0.4309, 0.4173



37.9055, 0.2551, 0.3972

Rectangle

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



37.9055, 0.2030, 0.2326



37.9055, 0.2744, 0.2319



37.9055, 0.4309, 0.4173



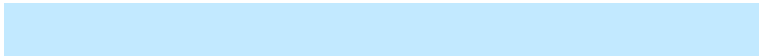
37.9055, 0.3397, 0.4528

Sweetspot

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



37.9068, 0.2030, 0.2326



77.0155, 0.2752, 0.3053



67.2725, 0.2806, 0.5077



15.8452, 0.2697, 0.3013



0.0000, 0.0000, 0.0000



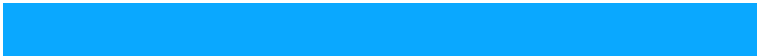
21.4041, 0.3127, 0.3290

Same Dimension

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



37.9068, 0.2030, 0.2326



35.1172, 0.1923, 0.2104



12.7599, 0.1694, 0.1054



17.7034, 0.2980, 0.3203



16.8969, 0.1910, 0.2075



1.6788, 0.1957, 0.2245

Inverse Universe

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



24.7121, 0.4076, 0.2166



24.2910, 0.4334, 0.2176



68.5595, 0.4350, 0.4758



16.6619, 0.3193, 0.3139



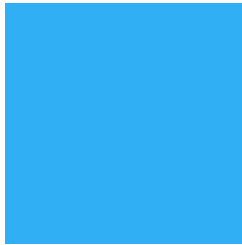
11.8051, 0.4369, 0.2180



1.0571, 0.4185, 0.2079

Previews

White Background



This preview shows how the Yxy color 37.9055, 0.2030, 0.2326 looks on a white background.

Color Contrast Check

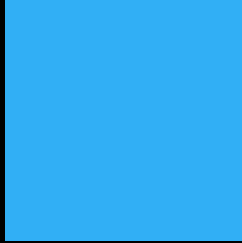
Large Text (above 18pt) WCAG AA × Fail

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 37.9055, 0.2030, 0.2326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

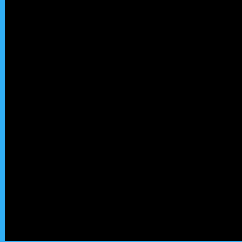
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

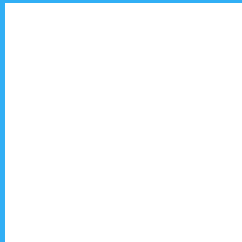
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.9055, 0.2030, 0.2326

Background



This preview shows how black text looks on a background with the Yxy color 37.9055, 0.2030, 0.2326.



This preview shows how white text looks on a background with the Yxy color 37.9055, 0.2030, 0.2326.

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

37.9055, 0.2030, 0.2326

Protanopia

37.4439, 0.2434, 0.2352

Deuteranopia

37.6882, 0.2270, 0.2212



Tritanopia

37.8982, 0.2185, 0.3066

Trichromacy



Original Color

37.9055, 0.2030, 0.2326

Protanomaly

36.9986, 0.2234, 0.2333

Deuteranomaly

37.2621, 0.2148, 0.2241

Tritanomaly

37.6262, 0.2116, 0.2773

Monochromacy



Original Color

37.9055, 0.2030, 0.2326

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

30.4281, 0.2532, 0.2890

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9055, 0.2030, 0.2326 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(49, 175, 245)` looks like.

```
.text, #text, p{  
    color:rgb(49, 175, 245)  
}
```

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(49, 175, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 175, 245) }
```

Border

The CSS property to change the border of an element to Yxy 37.9055, 0.2030, 0.2326 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(49, 175, 245) }
```

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

```
.border{ border-color:rgb(49, 175, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 175, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 175, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 175, 245);  
box-shadow:4px 4px 4px 4px rgb(49, 175,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9055, 0.2030, 0.2326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 175, 245) }
```

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

```
.background{ background-color: rgb(49, 175,  
245) }
```

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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