

Converting Colors

$Y_{xy}(37.7680, 0.1997, 0.2239)$

Have a look what the booklet for
Yxy(37.7680, 0.1997, 0.2239)
contains.

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Color

Yxy(37.8583, 0.1996, 0.2237)

Conversions

Conversions Part 1

Format	Color
Hex	2DAEFC
RGB	45, 174, 252
RGB Percent	18%, 68%, 99%
CMY	0.8241, 0.3176, 0.0119
CMYK	0.82, 0.31, 0.00, 0.01
HSL	203°, 97%, 58%
HSV	203°, 82%, 99%
XYZ	33.7797, 37.8583, 97.5989
YIQ	144.3210, -101.9220, -3.0900

Conversions

Conversions Part 2

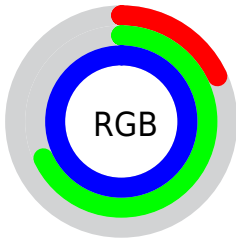
Format	Color
R _Y B	45, 124, 252
Decimal	2993916
CIE Lab	67.92, -7.54, -48.15
CIE LCh	68, 48.741, 261.102
Yxy	37.8583, 0.1996, 0.2237
Android (android.graphics.Color)	4281183996 (0xFF2DAEFC)
YUV	144.3210, 53.0857, -87.1045
Hunter-Lab	61.5291, -9.6788, -50.9769

Details

The Yxy color **37.8583, 0.1996, 0.2237** 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 **34.9958, 0.5333, 0.3916**, and the grayscale version is **27.8221, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.5437, 0.2399, 0.2979**, and **17.8592, 0.1892, 0.2010** is the 20% darker color. If you saturate the color by 10%, you get **33.9138, 0.1926, 0.2092**, and if you desaturate by 10%, it is **42.4040, 0.2088, 0.2384**.

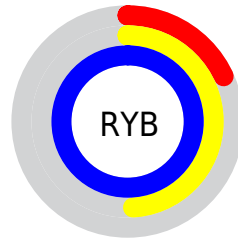
Distribution



Red (18%)

Green (68%)

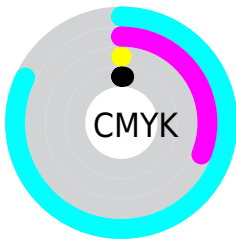
Blue (99%)



Red (18%)

Yellow (49%)

Blue (99%)

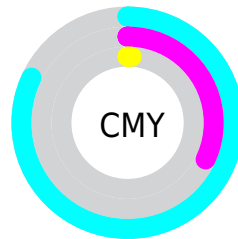


Cyan (82%)

Magenta (31%)

Yellow (0%)

Black (1%)



Cyan (82%)


Magenta (32%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8583, 0.1996, 0.2237 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 37.8583, 0.1996, 0.2237 by changing the saturation by 10% instead.

 37.8583, 0.1996,
0.2237


 37.8583, 0.1996,
0.2237


337.0117, 0.2544,
0.2759

 25.8727, 0.1869,
0.2113


 71.8909, 0.2189,
0.2423


 16.7285, 0.1713,
0.1959


 94.7067, 0.2263,
0.2494

 10.0411, 0.1518,
0.1764


 121.9014, 0.2327,
0.2555

 5.4262, 0.1273,
0.1513

 153.8594, 0.2382,
0.2607

 2.4994, 0.0964,
0.1189

 190.9650, 0.2430,
0.2653

 0.8764, 0.0577,
0.0779

233.6026, 0.2473,

 0.0000, 0.0000,

0.2692

0.0000

282.1568, 0.2511,
0.2728

■ 37.8583, 0.1996,
0.2237

■ 37.8583, 0.1996,
0.2237

■ 33.9138, 0.1926,
0.2092

■ 42.4040, 0.2088,
0.2384

■ 31.1871, 0.1884,
0.1982

■ 47.6052, 0.2200,
0.2531

■ 53.5118, 0.2329,
0.2675

■ 60.1666, 0.2472,
0.2812

■ 67.6083, 0.2623,
0.2941

■ 75.8723, 0.2780,
0.3061

■ 84.9913, 0.2937,
0.3171

■ 94.9960, 0.3093,
0.3270

■ 99.8065, 0.3145,
0.3319

Harmonies

Analogous

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



37.8583, 0.1861, 0.2552



37.8583, 0.1996, 0.2237



37.8583, 0.2399, 0.2189

Triad

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



37.8583, 0.1996, 0.2237



37.8583, 0.4381, 0.3231



37.8583, 0.3077, 0.4514

Complementary

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



37.8583, 0.1996, 0.2237



34.9958, 0.5333, 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.



37.8583, 0.3773, 0.4609



37.8583, 0.1996, 0.2237



37.8583, 0.4576, 0.3773

Square

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



37.8583, 0.1996, 0.2237



37.8583, 0.3788, 0.2739



37.8583, 0.4331, 0.4284



37.8583, 0.2431, 0.3927

Rectangle

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



37.8583, 0.1996, 0.2237



37.8583, 0.2804, 0.2287



37.8583, 0.4331, 0.4284



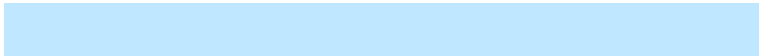
37.8583, 0.3313, 0.4604

Sweetspot

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



37.8595, 0.1996, 0.2237



75.4842, 0.2735, 0.3029



71.5335, 0.2796, 0.5087



15.5150, 0.2680, 0.2987



0.0000, 0.0000, 0.0000



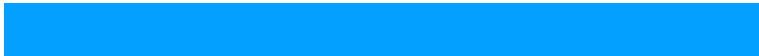
21.4041, 0.3127, 0.3290

Same Dimension

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



37.8595, 0.1996, 0.2237



32.3729, 0.1889, 0.1995



12.2759, 0.1658, 0.0970



18.4466, 0.2980, 0.3199



16.5425, 0.1891, 0.2006



1.7360, 0.1938, 0.2176

Inverse Universe

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



25.6121, 0.4172, 0.2194



23.8529, 0.4458, 0.2233



74.3815, 0.4345, 0.4798



17.4073, 0.3196, 0.3143



12.0809, 0.4446, 0.2223



1.1395, 0.4259, 0.2120

Previews

White Background



This preview shows how the Yxy color 37.8583, 0.1996, 0.2237 looks on a white background.

Color Contrast Check

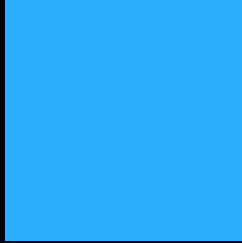
Large Text (above 18pt) WCAG AA × Fail

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 37.8583, 0.1996, 0.2237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

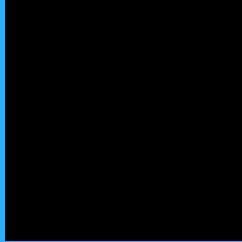
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

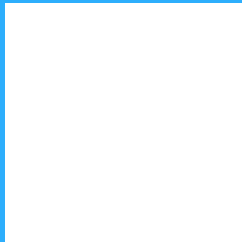
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.8583, 0.1996, 0.2237

Background



This preview shows how black text looks on a background with the Yxy color 37.8583, 0.1996, 0.2237.



This preview shows how white text looks on a background with the Yxy color 37.8583, 0.1996, 0.2237.

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

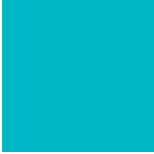
37.8583, 0.1996, 0.2237

Protanopia

37.5948, 0.2377, 0.2275

Deuteranopia

37.5582, 0.2206, 0.2144



Tritanopia

37.8982, 0.2185, 0.3066

Trichromacy



Original Color

37.8583, 0.1996, 0.2237

Protanomaly

36.8081, 0.2181, 0.2241

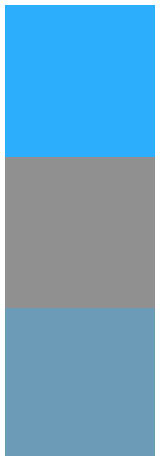
Deuteranomaly

37.3213, 0.2101, 0.2175

Tritanomaly

37.7624, 0.2102, 0.2732

Monochromacy



Original Color

37.8583, 0.1996, 0.2237

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

30.0497, 0.2502, 0.2843

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8583, 0.1996, 0.2237 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(45, 174, 252)` looks like.

```
.text, #text, p{  
    color:rgb(45, 174, 252)  
}
```

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(45, 174, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 174, 252) }
```

Border

The CSS property to change the border of an element to Yxy 37.8583, 0.1996, 0.2237 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(45, 174, 252) }
```

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

```
.border{ border-color:rgb(45, 174, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 174, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 174, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 174, 252);  
box-shadow:4px 4px 4px 4px rgb(45, 174,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8583, 0.1996, 0.2237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 174, 252) }
```

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

```
.background{ background-color: rgb(45, 174,  
252) }
```

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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