

Converting Colors

$Yxy(37.6167, 0.2009, 0.2183)$

Have a look what the booklet for
Yxy(37.6167, 0.2009, 0.2183)
contains.

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Color

Yxy(37.6857, 0.2011, 0.2186)

Conversions

Conversions Part 1

Format	Color
Hex	3CACFF
RGB	60, 172, 255
RGB Percent	24%, 67%, 100%
CMY	0.7642, 0.3255, 0.0001
CMYK	0.76, 0.33, 0.00, 0.00
HSL	206°, 100%, 62%
HSV	206°, 76%, 100%
XYZ	34.6688, 37.6857, 100.0412
YIQ	147.9740, -93.3950, 2.0690

Conversions

Conversions Part 2

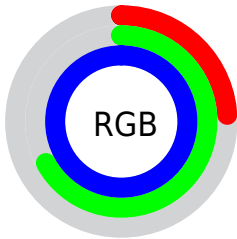
Format	Color
R _{YB}	60, 131, 255
Decimal	3976447
CIE _{Lab}	67.79, -3.91, -49.97
CIE _{LCh}	68, 50.123, 265.528
Yxy	37.6857, 0.2011, 0.2186
Android (android.graphics.Color)	4282166527 (0xFF3CACFF)
YUV	147.9740, 52.7638, -77.1532
Hunter-Lab	61.3887, -6.6237, -53.6491

Details

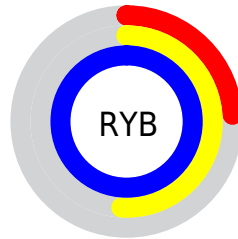
The Yxy color **37.6857, 0.2011, 0.2186** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **41.2633, 0.5054, 0.4019**, and the grayscale version is **29.4223, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.1447, 0.2431, 0.2958**, and **17.5102, 0.1872, 0.1938** is the 20% darker color. If you saturate the color by 10%, you get **33.1072, 0.1921, 0.2020**, and if you desaturate by 10%, it is **42.9868, 0.2122, 0.2354**.

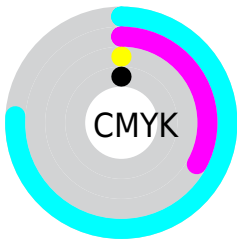
Distribution



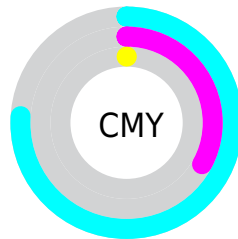
- Red (24%)
- Green (67%)
- Blue (100%)



- Red (24%)
- Yellow (51%)
- Blue (100%)



- Cyan (76%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)




- Cyan (76%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.6857, 0.2011, 0.2186 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 37.6857, 0.2011, 0.2186 by changing the saturation by 10% instead.


 37.6857, 0.2011,
0.2186


 37.6857, 0.2011,
0.2186


336.2698, 0.2553,
0.2728


 25.7388, 0.1885,
0.2059


 71.6261, 0.2202,
0.2378


 16.6284, 0.1731,
0.1901


 94.3885, 0.2275,
0.2452

 9.9699, 0.1538,
0.1703


 121.5249, 0.2338,
0.2515

 5.3790, 0.1296,
0.1451

 153.4195, 0.2393,
0.2569

 2.4713, 0.0989,
0.1129

190.4570, 0.2440,
0.2617

 0.8622, 0.0612,
0.0728

233.0216, 0.2482,

 0.0000, 0.0000,

0.2659

0.0000

281.4977, 0.2520,
0.2695

■ 37.6857, 0.2011,
0.2186

■ 37.6857, 0.2011,
0.2186

■ 33.1072, 0.1921,
0.2020

■ 42.9868, 0.2122,
0.2354

■ 29.1790, 0.1854,
0.1859

■ 49.0630, 0.2252,
0.2520

■ 27.8973, 0.1834,
0.1803

■ 55.9644, 0.2397,
0.2681

■ 63.7347, 0.2550,
0.2833

■ 72.4139, 0.2709,
0.2974

■ 82.0390, 0.2870,
0.3104

■ 92.6446, 0.3028,
0.3221

■ 99.9990, 0.3127,
0.3290

Harmonies

Analogous

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



37.6857, 0.1832, 0.2463



37.6857, 0.2011, 0.2186



37.6857, 0.2461, 0.2176

Triad

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



37.6857, 0.2011, 0.2186



37.6857, 0.4478, 0.3307



37.6857, 0.2967, 0.4494

Complementary

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



37.6857, 0.2011, 0.2186



41.2633, 0.5054, 0.4019

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.



37.6857, 0.3686, 0.4667



37.6857, 0.2011, 0.2186



37.6857, 0.4606, 0.3863

Square

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



37.6857, 0.2011, 0.2186



37.6857, 0.3915, 0.2792



37.6857, 0.4294, 0.4374



37.6857, 0.2329, 0.3830

Rectangle

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



37.6857, 0.2011, 0.2186



37.6857, 0.2898, 0.2297



37.6857, 0.4294, 0.4374



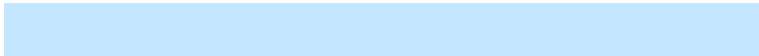
37.6857, 0.3207, 0.4614

Sweetspot

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



37.6869, 0.2011, 0.2186



75.6085, 0.2764, 0.3020



74.4075, 0.2751, 0.4822



15.4641, 0.2706, 0.2972



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.



37.6869, 0.2011, 0.2186



30.8446, 0.1881, 0.1929



13.4023, 0.1708, 0.1016



19.1095, 0.2979, 0.3186



14.8811, 0.1841, 0.1829



1.6657, 0.1892, 0.2010

Inverse Universe

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



27.4802, 0.4211, 0.2300



24.1440, 0.4526, 0.2304



83.1695, 0.4222, 0.4821



18.1619, 0.3204, 0.3154



12.2302, 0.4651, 0.2336



1.2127, 0.4441, 0.2220

Previews

White Background



This preview shows how the Yxy color 37.6857, 0.2011, 0.2186 looks on a white background.

Color Contrast Check

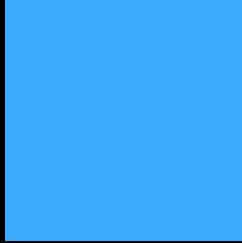
Large Text (above 18pt) WCAG AA × Fail

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 37.6857, 0.2011, 0.2186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

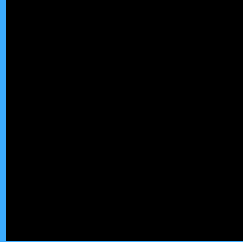
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

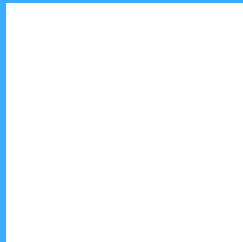
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.6857, 0.2011, 0.2186

Background



This preview shows how black text looks on a background with the Yxy color 37.6857, 0.2011, 0.2186.



This preview shows how white text looks on a background with the Yxy color 37.6857, 0.2011, 0.2186.

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

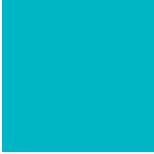
37.6857, 0.2011, 0.2186

Protanopia

37.2945, 0.2330, 0.2207

Deuteranopia

37.4839, 0.2191, 0.2132



Tritanopia

37.4871, 0.2180, 0.3049

Trichromacy



Original Color

37.6857, 0.2011, 0.2186

Protanomaly

36.9380, 0.2180, 0.2192

Deuteranomaly

37.3442, 0.2110, 0.2147

Tritanomaly

37.0733, 0.2096, 0.2688

Monochromacy



Original Color

37.6857, 0.2011, 0.2186

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

31.4148, 0.2538, 0.2824

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6857, 0.2011, 0.2186 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, 172, 255)` looks like.

```
.text, #text, p{  
    color:rgb(60, 172, 255)  
}
```

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, 172, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 172, 255) }
```

Border

The CSS property to change the border of an element to Yxy 37.6857, 0.2011, 0.2186 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, 172, 255) }
```

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

```
.border{ border-color:rgb(60, 172, 255) }
```

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

Here you see how a box with a 4 pixel rgb(60, 172, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 172, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 172, 255);  
box-shadow:4px 4px 4px 4px rgb(60, 172,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6857, 0.2011, 0.2186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 172, 255) }
```

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

```
.background{ background-color: rgb(60, 172,  
255) }
```

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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