

# Converting Colors

$Yxy(37.6946, 0.1994, 0.2305)$

Have a look what the booklet for  
Yxy(37.6946, 0.1994, 0.2305)  
contains.

<b>Yxy(37.6366, 0.1992, 0.2298)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(37.6366, 0.1992, 0.2298)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1DAFF7
RGB	29, 175, 247
RGB Percent	11%, 69%, 97%
CMY	0.8856, 0.3137, 0.0315
CMYK	0.88, 0.29, 0.00, 0.03
HSL	200°, 93%, 54%
HSV	200°, 88%, 97%
XYZ	32.6249, 37.6366, 93.5183
YIQ	139.5540, -110.1280, -8.5600

# Conversions

## Conversions Part 2

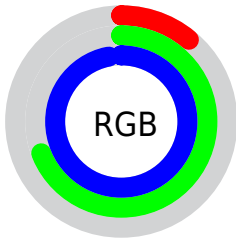
Format	Color
R <sub>Y</sub> B	29, 116, 247
Decimal	1945591
CIE Lab	67.75, -10.91, -45.71
CIE LCh	68, 46.997, 256.571
Yxy	37.6366, 0.1992, 0.2298
Android (android.graphics.Color)	4280135671 (0xFF1DAFF7)
YUV	139.5540, 52.9709, -96.9559
Hunter-Lab	61.3487, -12.4347, -47.4360

# Details

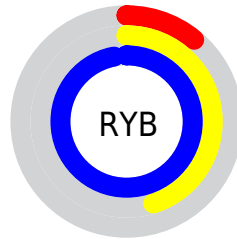
The Yxy color **37.6366, 0.1992, 0.2298** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **29.1963, 0.5618, 0.3793**, and the grayscale version is **25.8881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.5955, 0.2374, 0.2990**, and **17.8836, 0.1914, 0.2090** is the 20% darker color. If you saturate the color by 10%, you get **34.3212, 0.1939, 0.2173**, and if you desaturate by 10%, it is **41.4287, 0.2065, 0.2425**.

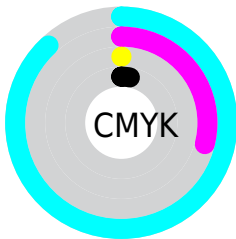
# Distribution



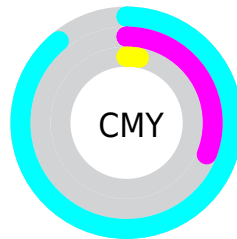
- Red (11%)
- Green (69%)
- Blue (97%)



- Red (11%)
- Yellow (45%)
- Blue (97%)



- Cyan (88%)
- Magenta (29%)
- Yellow (0%)
- Black (3%)




- Cyan (89%)
- Magenta (31%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.6366, 0.1992, 0.2298 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 37.6366, 0.1992, 0.2298 by changing the saturation by 10% instead.




 37.6366, 0.1992,  
0.2298


 37.6366, 0.1992,  
0.2298


336.0585, 0.2543,  
0.2796

 25.7008, 0.1864,  
0.2178


 71.5508, 0.2186,  
0.2477


 16.5999, 0.1706,  
0.2027


 94.2980, 0.2261,  
0.2545


 9.9497, 0.1510,  
0.1836


 121.4177, 0.2325,  
0.2602

 5.3656, 0.1261,  
0.1586

 153.2943, 0.2380,  
0.2652

 2.4633, 0.0946,  
0.1258

 190.3124, 0.2429,  
0.2695

 0.8582, 0.0535,  
0.0836

232.8561, 0.2471,

 0.0000, 0.0000,

0.2733

0.0000

281.3101, 0.2509,  
0.2766

■ 37.6366, 0.1992,  
0.2298

■ 37.6366, 0.1992,  
0.2298

■ 34.3212, 0.1939,  
0.2173

■ 41.4287, 0.2065,  
0.2425

■ 33.7530, 0.1931,  
0.2151

■ 45.7610, 0.2158,  
0.2554

■ 50.6842, 0.2271,  
0.2680

■ 56.2406, 0.2399,  
0.2802

■ 62.4677, 0.2540,  
0.2919

■ 69.3994, 0.2690,  
0.3028

■ 77.0668, 0.2844,  
0.3129

■ 85.4990, 0.3000,  
0.3221

■ 94.7233, 0.3155,  
0.3304

# Harmonies

## Analogous

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



37.6366, 0.1900, 0.2649



37.6366, 0.1992, 0.2298



37.6366, 0.2346, 0.2213

# Triad

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



37.6366, 0.1992, 0.2298



37.6366, 0.4273, 0.3159



37.6366, 0.3186, 0.4515

# Complementary

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



37.6366, 0.1992, 0.2298



29.1963, 0.5618, 0.3793

# 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.



37.6366, 0.3851, 0.4539



37.6366, 0.1992, 0.2298



37.6366, 0.4529, 0.3685

# Square

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



37.6366, 0.1992, 0.2298



37.6366, 0.3660, 0.2692



37.6366, 0.4354, 0.4190



37.6366, 0.2540, 0.4011



# Rectangle

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



37.6366, 0.1992, 0.2298



37.6366, 0.2719, 0.2286



37.6366, 0.4354, 0.4190



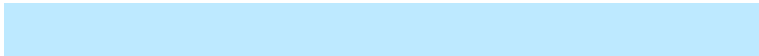
37.6366, 0.3415, 0.4577

# Sweetspot

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



37.6378, 0.1992, 0.2298



76.3293, 0.2723, 0.3051



67.6537, 0.2847, 0.5353



15.7526, 0.2670, 0.3014



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

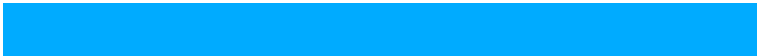


# Same Dimension

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



37.6378, 0.1992, 0.2298



36.2444, 0.1930, 0.2149



11.2475, 0.1622, 0.0939



17.7810, 0.2980, 0.3210



18.1262, 0.1937, 0.2171



1.7809, 0.1980, 0.2328



# Inverse Universe

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



23.7521, 0.4119, 0.2102



24.1900, 0.4288, 0.2136



64.5063, 0.4484, 0.4749



16.6697, 0.3189, 0.3133



11.9292, 0.4263, 0.2122

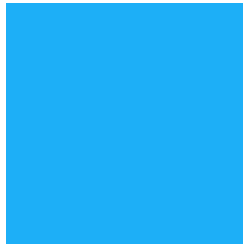


1.0674, 0.4097, 0.2031



# Previews

## White Background



This preview shows how the Yxy color 37.6366, 0.1992, 0.2298 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

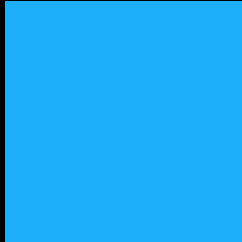
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 37.6366, 0.1992, 0.2298 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

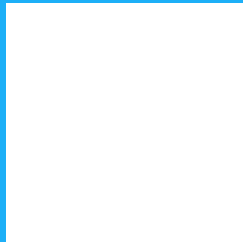
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 37.6366, 0.1992, 0.2298**

## **Background**



This preview shows how black text looks on a background with the Yxy color 37.6366, 0.1992, 0.2298.



This preview shows how white text looks on a background with the Yxy color 37.6366, 0.1992, 0.2298.

# 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

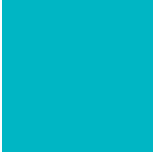
37.6366, 0.1992, 0.2298

### Protanopia

37.1213, 0.2414, 0.2316

### Deuteranopia

37.2341, 0.2241, 0.2175



## **Tritanopia**

37.4414, 0.2185, 0.3065

# Trichromacy



**Original Color**

37.6366, 0.1992, 0.2298

**Protanomaly**

36.2730, 0.2184, 0.2288

**Deuteranomaly**

36.5517, 0.2101, 0.2198

**Tritanomaly**

37.2176, 0.2102, 0.2742

# Monochromacy



**Original Color**

37.6366, 0.1992, 0.2298

**Achromatopsia**

26.2251, 0.3127, 0.3290

**Achromatomaly**

28.7465, 0.2468, 0.2863

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.6366, 0.1992, 0.2298 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(29, 175, 247)` looks like.

```
.text, #text, p{  
    color:rgb(29, 175, 247)  
}
```

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(29, 175, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 175, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 37.6366, 0.1992, 0.2298 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(29, 175, 247) }
```

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

```
.border{ border-color:rgb(29, 175, 247) }
```

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

Here you see how a box with a 4 pixel rgb(29, 175, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 175, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 175, 247);  
box-shadow:4px 4px 4px 4px rgb(29, 175,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.6366, 0.1992, 0.2298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 175, 247) }
```

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

```
.background{ background-color: rgb(29, 175,  
247) }
```

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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