

Converting Colors

$Yxy(36.9071, 0.2219, 0.2881)$

Have a look what the booklet for
Yxy(36.9071, 0.2219, 0.2881)
contains.

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Color

Yxy(37.0703, 0.2221, 0.2888)

Conversions

Conversions Part 1

Format	Color
Hex	39B2CC
RGB	57, 178, 204
RGB Percent	22%, 70%, 80%
CMY	0.7763, 0.3020, 0.2000
CMYK	0.72, 0.13, 0.00, 0.20
HSL	191°, 59%, 51%
HSV	191°, 72%, 80%
XYZ	28.5087, 37.0703, 62.7808
YIQ	144.7850, -80.4620, -17.5660

Conversions

Conversions Part 2

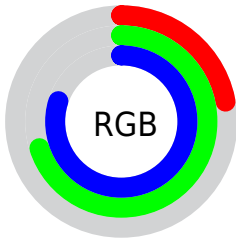
Format	Color
RYB	57, 123, 204
Decimal	3781324
CIELab	67.33, -24.48, -22.79
CIELCh	67, 33.451, 222.949
Yxy	37.0703, 0.2221, 0.2888
Android (android.graphics.Color)	4281971404 (0xFF39B2CC)
YUV	144.7850, 29.1930, -76.9874
Hunter-Lab	60.8854, -22.9694, -18.5159

Details

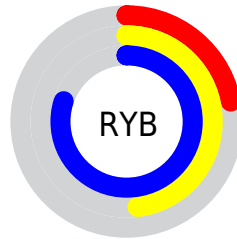
The Yxy color **37.0703, 0.2221, 0.2888** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle muted azure. A complement of this color would be **19.3284, 0.5306, 0.3569**, and the grayscale version is **28.1335, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.3507, 0.2411, 0.3040**, and **16.8692, 0.2100, 0.2759** is the 20% darker color. If you saturate the color by 10%, you get **35.1695, 0.2157, 0.2824**, and if you desaturate by 10%, it is **39.2524, 0.2304, 0.2952**.

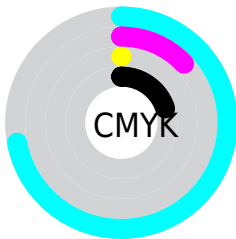
Distribution



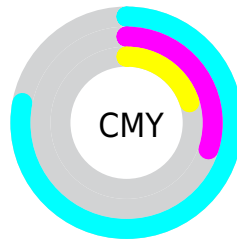
- Red (22%)
- Green (70%)
- Blue (80%)



- Red (22%)
- Yellow (48%)
- Blue (80%)



- Cyan (72%)
- Magenta (13%)
- Yellow (0%)
- Black (20%)




- Cyan (78%)
- Magenta (30%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.0703, 0.2221, 0.2888 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 37.0703, 0.2221, 0.2888 by changing the saturation by 10% instead.


 37.0703, 0.2221,
0.2888


 37.0703, 0.2221,
0.2888


333.6148, 0.2673,
0.3108


 25.2619, 0.2110,
0.2828


 70.6809, 0.2384,
0.2972

 16.2723, 0.1970,
0.2747


 93.2519, 0.2446,
0.3002


 9.7170, 0.1787,
0.2636


 120.1792, 0.2498,
0.3028

 5.2118, 0.1542,
0.2473

 151.8473, 0.2543,
0.3049

 2.3720, 0.1203,
0.2218

 188.6405, 0.2582,
0.3067

 0.8114, 0.0395,
0.1848

230.9432, 0.2616,

 0.0000, 0.0000,

0.3083

0.0000

279.1398, 0.2646,
0.3096

■ 37.0703, 0.2221,
0.2888

■ 37.0703, 0.2221,
0.2888

■ 35.1695, 0.2157,
0.2824

■ 39.2524, 0.2304,
0.2952

■ 33.5148, 0.2112,
0.2761

■ 41.7378, 0.2406,
0.3014

■ 32.3298, 0.2086,
0.2711

■ 44.5506, 0.2523,
0.3074

■ 47.7111, 0.2654,
0.3132

■ 51.2378, 0.2795,
0.3186

■ 55.1480, 0.2943,
0.3235

■ 59.4576, 0.3096,
0.3281

■ 64.1815, 0.3250,
0.3323

■ 69.3341, 0.3403,
0.3360

Harmonies

Analogous

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



37.0703, 0.2395, 0.3353



37.0703, 0.2221, 0.2888



37.0703, 0.2263, 0.2588

Triad

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



37.0703, 0.2221, 0.2888



37.0703, 0.3453, 0.2813



37.0703, 0.3725, 0.4175

Complementary

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



37.0703, 0.2221, 0.2888



19.3284, 0.5306, 0.3569

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.



37.0703, 0.4054, 0.3934



37.0703, 0.2221, 0.2888



37.0703, 0.3903, 0.3164

Square

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



37.0703, 0.2221, 0.2888



37.0703, 0.2939, 0.2571



37.0703, 0.4127, 0.3563



37.0703, 0.3250, 0.4162

Rectangle

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



37.0703, 0.2221, 0.2888



37.0703, 0.2409, 0.2498



37.0703, 0.4127, 0.3563



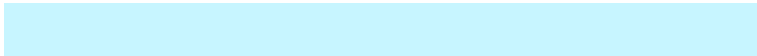
37.0703, 0.3857, 0.4117

Sweetspot

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



37.0716, 0.2221, 0.2888



84.6974, 0.2791, 0.3184



44.6608, 0.2928, 0.5276



17.7730, 0.2752, 0.3170



0.0000, 0.0000, 0.0000



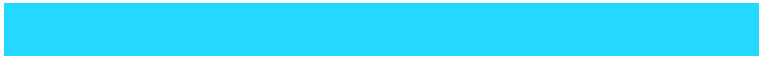
21.4041, 0.3127, 0.3290

Same Dimension

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



37.0716, 0.2221, 0.2888



56.8011, 0.2132, 0.2792



15.5462, 0.1919, 0.1681



12.3761, 0.2983, 0.3248



20.4709, 0.2089, 0.2720



1.1469, 0.2123, 0.2843

Inverse Universe

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



18.9833, 0.3534, 0.1950



27.4716, 0.3636, 0.1840



36.5826, 0.4506, 0.4412



11.3683, 0.3164, 0.3101



9.8695, 0.3710, 0.1817



0.5183, 0.3595, 0.1754

Previews

White Background



This preview shows how the Yxy color 37.0703, 0.2221, 0.2888 looks on a white background.

Color Contrast Check

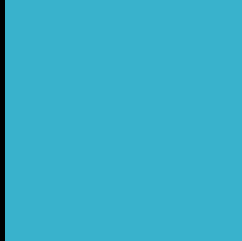
Large Text (above 18pt) WCAG AA × Fail

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 37.0703, 0.2221, 0.2888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

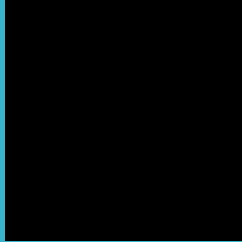
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.0703, 0.2221, 0.2888

Background



This preview shows how black text looks on a background with the Yxy color 37.0703, 0.2221, 0.2888.

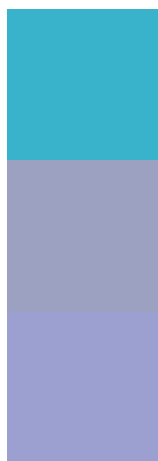


This preview shows how white text looks on a background with the Yxy color 37.0703, 0.2221, 0.2888.

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

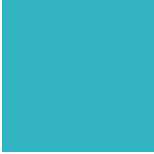
37.0703, 0.2221, 0.2888

Protanopia

36.4079, 0.2817, 0.2843

Deuteranopia

36.6642, 0.2698, 0.2639



Tritanopia

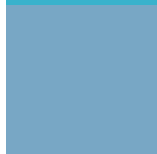
37.2157, 0.2255, 0.3066

Trichromacy



Original Color

37.0703, 0.2221, 0.2888



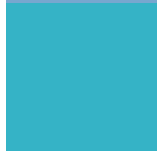
Protanomaly

35.6617, 0.2524, 0.2845



Deuteranomaly

36.0644, 0.2457, 0.2711



Tritanomaly

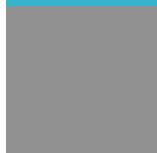
37.0743, 0.2241, 0.2991

Monochromacy



Original Color

37.0703, 0.2221, 0.2888



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

30.3778, 0.2663, 0.3141

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0703, 0.2221, 0.2888 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(57, 178, 204)` looks like.

```
.text, #text, p{  
    color:rgb(57, 178, 204)  
}
```

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(57, 178, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 178, 204) }
```

Border

The CSS property to change the border of an element to Yxy 37.0703, 0.2221, 0.2888 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(57, 178, 204) }
```

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

```
.border{ border-color:rgb(57, 178, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 178, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 178, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 178, 204);  
box-shadow:4px 4px 4px 4px rgb(57, 178,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 37.0703, 0.2221, 0.2888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 178, 204) }
```

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

```
.background{ background-color: rgb(57, 178,  
204) }
```

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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