

Converting Colors

$Y_{xy}(37.3642, 0.2224, 0.2936)$

Have a look what the booklet for
Yxy(37.3642, 0.2224, 0.2936)
contains.

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Color

Yxy(37.2614, 0.2223, 0.2932)

Conversions

Conversions Part 1

Format	Color
Hex	35B3CA
RGB	53, 179, 202
RGB Percent	21%, 70%, 79%
CMY	0.7918, 0.2980, 0.2079
CMYK	0.74, 0.11, 0.00, 0.21
HSL	189°, 58%, 50%
HSV	189°, 74%, 79%
XYZ	28.2511, 37.2614, 61.5728
YIQ	143.9480, -82.4790, -19.5590

Conversions

Conversions Part 2

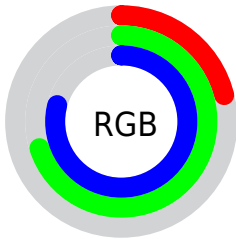
Format	Color
RYB	53, 121, 202
Decimal	3519434
CIELab	67.47, -26.11, -21.47
CIELCh	67, 33.806, 219.429
Yxy	37.2614, 0.2223, 0.2932
Android (android.graphics.Color)	4281709514 (0xFF35B3CA)
YUV	143.9480, 28.6196, -79.7614
Hunter-Lab	61.0421, -24.2117, -17.0760

Details

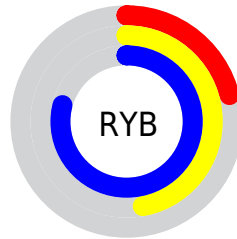
The Yxy color **37.2614, 0.2223, 0.2932** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle muted azure. A complement of this color would be **17.9933, 0.5412, 0.3529**, and the grayscale version is **27.7861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.7016, 0.2402, 0.3052**, and **17.0598, 0.2117, 0.2820** is the 20% darker color. If you saturate the color by 10%, you get **35.5888, 0.2165, 0.2877**, and if you desaturate by 10%, it is **39.1956, 0.2300, 0.2987**.

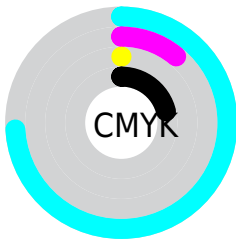
Distribution



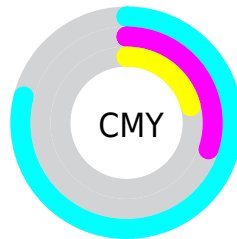
- Red (21%)
- Green (70%)
- Blue (79%)



- Red (21%)
- Yellow (47%)
- Blue (79%)



- Cyan (74%)
- Magenta (11%)
- Yellow (0%)
- Black (21%)





- Cyan (79%)
- Magenta (30%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2614, 0.2223, 0.2932 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 37.2614, 0.2223, 0.2932 by changing the saturation by 10% instead.

 37.2614, 0.2223,
0.2932


 37.2614, 0.2223,
0.2932


334.4409, 0.2674,
0.3130

 25.4099, 0.2112,
0.2877


 70.9746, 0.2386,
0.3008

 16.3827, 0.1972,
0.2803


 93.6052, 0.2447,
0.3036


 9.7954, 0.1789,
0.2700

 120.5976, 0.2500,
0.3058

 5.2635, 0.1544,
0.2548

 152.3362, 0.2544,
0.3077

 2.4027, 0.1205,
0.2307

 189.2055, 0.2583,
0.3093

 0.8273, 0.0354,
0.1965

231.5897, 0.2617,

 0.0000, 0.0000,

0.3107

0.0000

279.8734, 0.2647,
0.3119

■ 37.2614, 0.2223,
0.2932

■ 37.2614, 0.2223,
0.2932

■ 35.5888, 0.2165,
0.2877

■ 39.1956, 0.2300,
0.2987

■ 34.1425, 0.2126,
0.2822

■ 41.4134, 0.2395,
0.3041

■ 33.3143, 0.2108,
0.2788

■ 43.9387, 0.2508,
0.3094

■ 46.7915, 0.2634,
0.3144

■ 49.9903, 0.2772,
0.3191

■ 53.5517, 0.2919,
0.3235

■ 57.4916, 0.3070,
0.3276

■ 61.8246, 0.3224,
0.3313

■ 66.5646, 0.3378,
0.3346

Harmonies

Analogous

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



37.2614, 0.2423, 0.3414



37.2614, 0.2223, 0.2932



37.2614, 0.2240, 0.2607

Triad

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



37.2614, 0.2223, 0.2932



37.2614, 0.3395, 0.2774



37.2614, 0.3779, 0.4165

Complementary

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



37.2614, 0.2223, 0.2932



17.9933, 0.5412, 0.3529

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.



37.2614, 0.4085, 0.3899



37.2614, 0.2223, 0.2932



37.2614, 0.3865, 0.3117

Square

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



37.2614, 0.2223, 0.2932



37.2614, 0.2880, 0.2547



37.2614, 0.4125, 0.3517



37.2614, 0.3310, 0.4189

Rectangle

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



37.2614, 0.2223, 0.2932



37.2614, 0.2371, 0.2501



37.2614, 0.4125, 0.3517



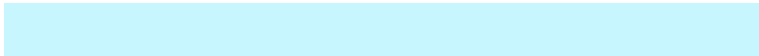
37.2614, 0.3905, 0.4097

Sweetspot

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



37.2628, 0.2223, 0.2932



85.4657, 0.2792, 0.3198



43.5092, 0.2938, 0.5354



17.9565, 0.2753, 0.3185



0.0000, 0.0000, 0.0000



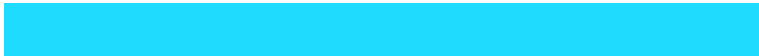
21.4041, 0.3127, 0.3290

Same Dimension

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



37.2628, 0.2223, 0.2932



58.8761, 0.2142, 0.2847



15.1684, 0.1906, 0.1680



12.4204, 0.2983, 0.3253



21.5461, 0.2110, 0.2796



1.1932, 0.2140, 0.2902

Inverse Universe

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



18.3643, 0.3498, 0.1902



27.4051, 0.3587, 0.1798



34.5858, 0.4564, 0.4398



11.3728, 0.3161, 0.3096



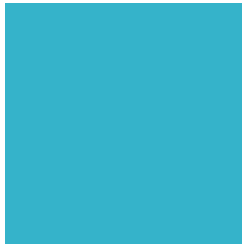
9.9781, 0.3639, 0.1778



0.5230, 0.3542, 0.1725

Previews

White Background



This preview shows how the Yxy color 37.2614, 0.2223, 0.2932 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 37.2614, 0.2223, 0.2932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

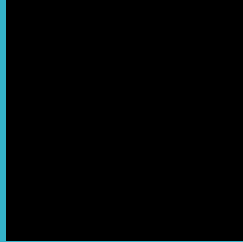
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.2614, 0.2223, 0.2932

Background



This preview shows how black text looks on a background with the Yxy color 37.2614, 0.2223, 0.2932.



This preview shows how white text looks on a background with the Yxy color 37.2614, 0.2223, 0.2932.

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

37.2614, 0.2223, 0.2932

Protanopia

36.8275, 0.2858, 0.2899

Deuteranopia

36.7659, 0.2728, 0.2666



Tritanopia

37.2110, 0.2246, 0.3051

Trichromacy



Original Color

37.2614, 0.2223, 0.2932



Protanomaly

35.8934, 0.2546, 0.2902



Deuteranomaly

35.9671, 0.2469, 0.2737



Tritanomaly

37.3978, 0.2237, 0.3006

Monochromacy



Original Color

37.2614, 0.2223, 0.2932



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

30.2101, 0.2654, 0.3157

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2614, 0.2223, 0.2932 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(53, 179, 202)` looks like.

```
.text, #text, p{  
    color:rgb(53, 179, 202)  
}
```

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(53, 179, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 179, 202) }
```

Border

The CSS property to change the border of an element to Yxy 37.2614, 0.2223, 0.2932 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(53, 179, 202) }
```

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

```
.border{ border-color:rgb(53, 179, 202) }
```

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

Here you see how a box with a 4 pixel rgb(53, 179, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 179, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 179, 202);  
box-shadow:4px 4px 4px 4px rgb(53, 179,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2614, 0.2223, 0.2932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 179, 202) }
```

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

```
.background{ background-color: rgb(53, 179,  
202) }
```

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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