

Converting Colors

$Y_{xy}(37.1974, 0.2207, 0.2989)$

Have a look what the booklet for
Yxy(37.1974, 0.2207, 0.2989)
contains.

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Color

Yxy(37.1974, 0.2207, 0.2989)

Conversions

Conversions Part 1

Format	Color
Hex	27B4C7
RGB	39, 180, 199
RGB Percent	15%, 71%, 78%
CMY	0.8476, 0.2941, 0.2195
CMYK	0.80, 0.10, 0.00, 0.22
HSL	187°, 67%, 47%
HSV	187°, 80%, 78%
XYZ	27.4656, 37.1974, 59.7846
YIQ	140.0070, -90.1350, -23.9830

Conversions

Conversions Part 2

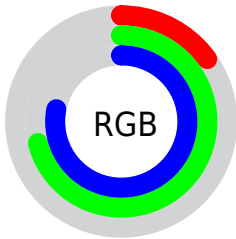
Format	Color
RYB	39, 114, 199
Decimal	2602183
CIELab	67.42, -29.03, -19.94
CIElCh	67, 35.214, 214.481
Yxy	37.1974, 0.2207, 0.2989
Android (android.graphics.Color)	4280792263 (0xFF27B4C7)
YUV	140.0070, 29.0835, -88.5831
Hunter-Lab	60.9897, -26.3477, -15.4258

Details

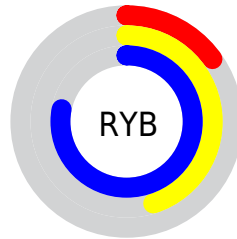
The Yxy color **37.1974, 0.2207, 0.2989** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle muted azure. A complement of this color would be **15.3076, 0.5746, 0.3458**, and the grayscale version is **26.1258, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.7216, 0.2375, 0.3062**, and **17.2231, 0.2139, 0.2901** is the 20% darker color. If you saturate the color by 10%, you get **35.9615, 0.2166, 0.2948**, and if you desaturate by 10%, it is **38.6557, 0.2266, 0.3031**.

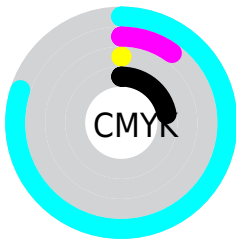
Distribution



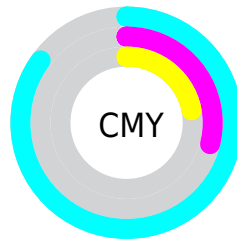
- Red (15%)
- Green (71%)
- Blue (78%)



- Red (15%)
- Yellow (45%)
- Blue (78%)



- Cyan (80%)
- Magenta (10%)
- Yellow (0%)
- Black (22%)




- Cyan (85%)
- Magenta (29%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.1974, 0.2207, 0.2989 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 37.1974, 0.2207, 0.2989 by changing the saturation by 10% instead.

 37.1974, 0.2207,
0.2989


 37.1974, 0.2207,
0.2989


334.1644, 0.2666,
0.3159

 25.3604, 0.2094,
0.2941


 70.8763, 0.2373,
0.3055


 16.3457, 0.1951,
0.2875


 93.4869, 0.2435,
0.3079


 9.7691, 0.1765,
0.2782


 120.4575, 0.2489,
0.3098

 5.2462, 0.1515,
0.2643

 152.1726, 0.2534,
0.3114

 2.3924, 0.1169,
0.2416

 189.0164, 0.2574,
0.3128

 0.8220, 0.0187,
0.2117

231.3733, 0.2608,

 0.0000, 0.0000,

0.3140

0.0000

279.6279, 0.2639,
0.3150

■ 37.1974, 0.2207,
0.2989

■ 37.1974, 0.2207,
0.2989

■ 35.9615, 0.2166,
0.2948

■ 38.6557, 0.2266,
0.3031

■ 34.9367, 0.2141,
0.2909

■ 40.3604, 0.2345,
0.3072

■ 42.3367, 0.2441,
0.3113

■ 44.6053, 0.2554,
0.3152

■ 47.1849, 0.2682,
0.3190

■ 50.0926, 0.2820,
0.3225

■ 53.3441, 0.2967,
0.3258

■ 56.9541, 0.3120,
0.3289

■ 60.9366, 0.3275,
0.3316

Harmonies

Analogous

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



37.1974, 0.2450, 0.3508



37.1974, 0.2207, 0.2989



37.1974, 0.2188, 0.2620

Triad

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



37.1974, 0.2207, 0.2989



37.1974, 0.3315, 0.2705



37.1974, 0.3871, 0.4168

Complementary

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



37.1974, 0.2207, 0.2989



15.3076, 0.5746, 0.3458

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.



37.1974, 0.4153, 0.3860



37.1974, 0.2207, 0.2989



37.1974, 0.3827, 0.3045

Square

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



37.1974, 0.2207, 0.2989



37.1974, 0.2788, 0.2495



37.1974, 0.4143, 0.3453



37.1974, 0.3402, 0.4247

Rectangle

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



37.1974, 0.2207, 0.2989



37.1974, 0.2299, 0.2489



37.1974, 0.4143, 0.3453



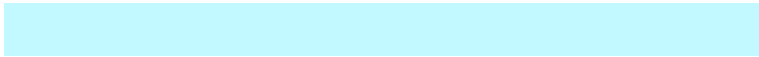
37.1974, 0.3992, 0.4084

Sweetspot

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



37.1988, 0.2207, 0.2989



85.6316, 0.2765, 0.3212



41.5919, 0.2958, 0.5589



17.9381, 0.2716, 0.3199



0.0000, 0.0000, 0.0000



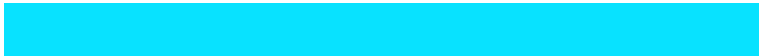
21.4041, 0.3127, 0.3290

Same Dimension

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



37.1988, 0.2207, 0.2989



61.4534, 0.2146, 0.2916



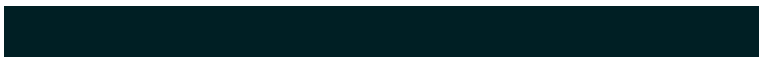
13.7187, 0.1843, 0.1608



11.8441, 0.2984, 0.3262



22.5413, 0.2143, 0.2915



1.1297, 0.2167, 0.3000

Inverse Universe

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



16.8844, 0.3455, 0.1794



26.8960, 0.3529, 0.1726



30.3649, 0.4752, 0.4378



10.7941, 0.3155, 0.3089



9.8155, 0.3530, 0.1718



0.4711, 0.3454, 0.1677

Previews

White Background



This preview shows how the Yxy color 37.1974, 0.2207, 0.2989 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 37.1974, 0.2207, 0.2989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

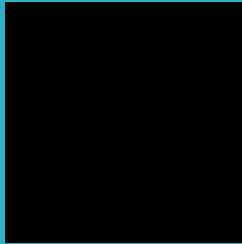
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.1974, 0.2207, 0.2989

Background



This preview shows how black text looks on a background with the Yxy color 37.1974, 0.2207, 0.2989.



This preview shows how white text looks on a background with the Yxy color 37.1974, 0.2207, 0.2989.

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

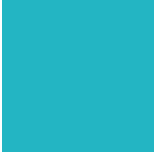
37.1974, 0.2207, 0.2989

Protanopia

36.7994, 0.2890, 0.2939

Deuteranopia

36.7703, 0.2751, 0.2692



Tritanopia

37.3452, 0.2222, 0.3066

Trichromacy



Original Color

37.1974, 0.2207, 0.2989



Protanomaly

35.7824, 0.2534, 0.2957



Deuteranomaly

35.5465, 0.2462, 0.2773



Tritanomaly

37.4083, 0.2219, 0.3050

Monochromacy



Original Color

37.1974, 0.2207, 0.2989



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

28.8995, 0.2619, 0.3187

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1974, 0.2207, 0.2989 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(39, 180, 199)` looks like.

```
.text, #text, p{  
    color:rgb(39, 180, 199)  
}
```

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(39, 180, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 180, 199) }
```

Border

The CSS property to change the border of an element to Yxy 37.1974, 0.2207, 0.2989 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(39, 180, 199) }
```

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

```
.border{ border-color:rgb(39, 180, 199) }
```

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

Here you see how a box with a 4 pixel rgb(39, 180, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 180, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 180, 199);  
box-shadow:4px 4px 4px 4px rgb(39, 180,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1974, 0.2207, 0.2989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 180, 199) }
```

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

```
.background{ background-color: rgb(39, 180,  
199) }
```

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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