

Converting Colors

$Yxy(37.1743, 0.2316, 0.3019)$

Have a look what the booklet for
Yxy(37.1743, 0.2316, 0.3019)
contains.

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Color

Yxy(37.1974, 0.2318, 0.3024)

Conversions

Conversions Part 1

Format	Color
Hex	49B2C3
RGB	73, 178, 195
RGB Percent	29%, 70%, 76%
CMY	0.7140, 0.3019, 0.2354
CMYK	0.63, 0.09, 0.00, 0.24
HSL	188°, 50%, 53%
HSV	188°, 63%, 76%
XYZ	28.5131, 37.1974, 57.2968
YIQ	148.5430, -68.0370, -16.9730

Conversions

Conversions Part 2

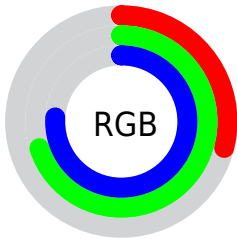
Format	Color
RYB	73, 129, 195
Decimal	4829891
CIELab	67.42, -24.88, -17.63
CIElCh	67, 30.492, 215.327
Yxy	37.1974, 0.2318, 0.3024
Android (android.graphics.Color)	4283019971 (0xFF49B2C3)
YUV	148.5430, 22.9033, -66.2512
Hunter-Lab	60.9897, -23.2820, -13.0073

Details

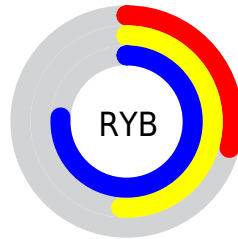
The Yxy color **37.1974, 0.2318, 0.3024** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **19.3778, 0.4944, 0.3503**, and the grayscale version is **29.7706, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.9422, 0.2465, 0.3077**, and **16.5903, 0.2149, 0.2937** is the 20% darker color. If you saturate the color by 10%, you get **35.4850, 0.2241, 0.2975**, and if you desaturate by 10%, it is **39.1725, 0.2414, 0.3072**.

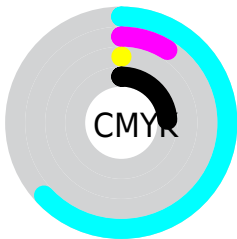
Distribution



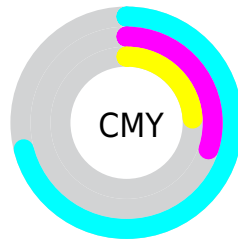
- Red (29%)
- Green (70%)
- Blue (76%)



- Red (29%)
- Yellow (51%)
- Blue (76%)



- Cyan (63%)
- Magenta (9%)
- Yellow (0%)
- Black (24%)




- Cyan (71%)
- Magenta (30%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.1974, 0.2318, 0.3024 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, 0.2318, 0.3024 by changing the saturation by 10% instead.

 37.1974, 0.2318,
0.3024


 37.1974, 0.2318,
0.3024


334.1644, 0.2725,
0.3173

 25.3604, 0.2217,
0.2982


 70.8763, 0.2466,
0.3082


 16.3457, 0.2088,
0.2925


 93.4869, 0.2521,
0.3102

 9.7691, 0.1918,
0.2844


 120.4575, 0.2568,
0.3119

 5.2462, 0.1687,
0.2722

 152.1726, 0.2608,
0.3134

 2.3924, 0.1358,
0.2523

189.0164, 0.2643,
0.3146

 0.8220, 0.0476,
0.2249

231.3733, 0.2674,

 0.0000, 0.0000,

0.3156

0.0000

279.6279, 0.2701,
0.3165

■ 37.1974, 0.2318,
0.3024

■ 37.1974, 0.2318,
0.3024

■ 35.4850, 0.2241,
0.2975

■ 39.1725, 0.2414,
0.3072

■ 34.0078, 0.2183,
0.2926

■ 41.4265, 0.2526,
0.3119

■ 32.7394, 0.2143,
0.2877

■ 43.9790, 0.2652,
0.3164

■ 31.8957, 0.2123,
0.2842

■ 46.8465, 0.2790,
0.3206

■ 50.0442, 0.2936,
0.3245

■ 53.5865, 0.3087,
0.3281

■ 57.4867, 0.3241,
0.3314

■ 61.7574, 0.3396,
0.3343

■ 66.4105, 0.3548,
0.3369

Harmonies

Analogous

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



37.1974, 0.2530, 0.3468



37.1974, 0.2318, 0.3024



37.1974, 0.2305, 0.2703

Triad

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



37.1974, 0.2318, 0.3024



37.1974, 0.3306, 0.2784



37.1974, 0.3769, 0.4060

Complementary

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



37.1974, 0.2318, 0.3024



19.3778, 0.4944, 0.3503

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, 0.4014, 0.3805



37.1974, 0.2318, 0.3024



37.1974, 0.3744, 0.3088

Square

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



37.1974, 0.2318, 0.3024



37.1974, 0.2847, 0.2594



37.1974, 0.4010, 0.3452



37.1974, 0.3359, 0.4110

Rectangle

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



37.1974, 0.2318, 0.3024



37.1974, 0.2408, 0.2587



37.1974, 0.4010, 0.3452



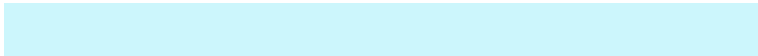
37.1974, 0.3874, 0.3993

Sweetspot

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



37.1988, 0.2318, 0.3024



85.7401, 0.2837, 0.3219



41.1621, 0.2956, 0.5057



18.4226, 0.2795, 0.3207



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, 0.2318, 0.3024



62.5744, 0.2218, 0.2958



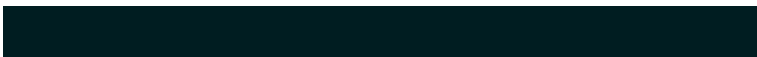
18.2373, 0.2082, 0.1995



11.1819, 0.2984, 0.3257



20.8263, 0.2125, 0.2848



0.9670, 0.2155, 0.2956

Inverse Universe

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



19.5720, 0.3406, 0.2025



29.8445, 0.3478, 0.1859



33.9679, 0.4350, 0.4265



10.2226, 0.3158, 0.3094



9.3847, 0.3590, 0.1751



0.4123, 0.3493, 0.1698

Previews

White Background



This preview shows how the Yxy color 37.1974, 0.2318, 0.3024 looks on a white background.

Color Contrast Check

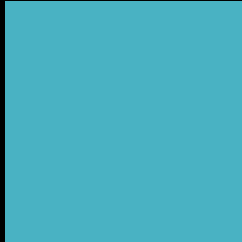
Large Text (above 18pt) WCAG AA × Fail

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, 0.2318, 0.3024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

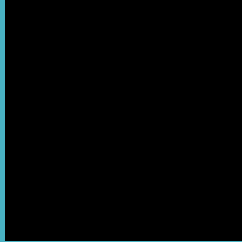
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.1974, 0.2318, 0.3024

Background



This preview shows how black text looks on a background with the Yxy color 37.1974, 0.2318, 0.3024.



This preview shows how white text looks on a background with the Yxy color 37.1974, 0.2318, 0.3024.

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, 0.2318, 0.3024

Protanopia

36.7749, 0.2923, 0.2980

Deuteranopia

36.8422, 0.2813, 0.2758



Tritanopia

37.0688, 0.2324, 0.3053

Trichromacy



Original Color

37.1974, 0.2318, 0.3024

Protanomaly

36.2253, 0.2641, 0.2992

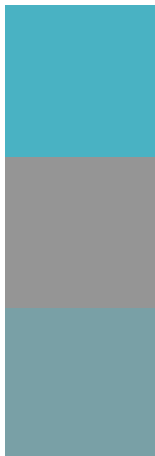
Deuteranomaly

36.3818, 0.2580, 0.2839

Tritanomaly

37.1135, 0.2319, 0.3038

Monochromacy



Original Color

37.1974, 0.2318, 0.3024

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

31.9597, 0.2731, 0.3193

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1974, 0.2318, 0.3024 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(73, 178, 195)` looks like.

```
.text, #text, p{  
    color:rgb(73, 178, 195)  
}
```

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(73, 178, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 178, 195) }
```

Border

The CSS property to change the border of an element to Yxy 37.1974, 0.2318, 0.3024 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(73, 178, 195) }
```

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

```
.border{ border-color:rgb(73, 178, 195) }
```

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

Here you see how a box with a 4 pixel rgb(73, 178, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 178, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 178, 195);  
box-shadow:4px 4px 4px 4px rgb(73, 178,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1974, 0.2318, 0.3024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 178, 195) }
```

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

```
.background{ background-color: rgb(73, 178,  
195) }
```

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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