

Converting Colors

$Yxy(34.9290, 0.2387, 0.3619)$

Have a look what the booklet for
Yxy(34.9290, 0.2387, 0.3619)
contains.

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Color

Yxy(34.7191, 0.2388, 0.3620)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 24B29F |
| RGB | 36, 178, 159 |
| RGB Percent | 14%, 70%, 62% |
| CMY | 0.8590, 0.3019, 0.3765 |
| CMYK | 0.80, 0.00, 0.11, 0.30 |
| HSL | 172°, 66%, 42% |
| HSV | 172°, 80%, 70% |
| XYZ | 22.9031, 34.7191, 38.2869 |
| YIQ | 133.3760, -78.5330, -36.0130 |

Conversions

Conversions Part 2

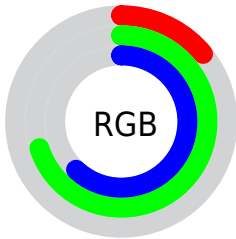
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 36, 112, 178 |
| Decimal | 2405023 |
| CIELab | 65.53, -40.28, -0.60 |
| CIELCh | 66, 40.285, 180.849 |
| Yxy | 34.7191, 0.2388, 0.3620 |
| Android (android.graphics.Color) | 4280595103 (0xFF24B29F) |
| YUV | 133.3760, 12.6326, -85.3988 |
| Hunter-Lab | 58.9229, -33.7329, 2.7206 |

Details

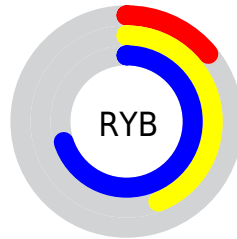
The Yxy color **34.7191, 0.2388, 0.3620** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **11.0000, 0.5563, 0.3109**, and the grayscale version is **23.5688, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.8265, 0.2527, 0.3546**, and **15.4980, 0.2357, 0.3684** is the 20% darker color. If you saturate the color by 10%, you get **34.3944, 0.2369, 0.3667**, and if you desaturate by 10%, it is **35.2072, 0.2425, 0.3573**.

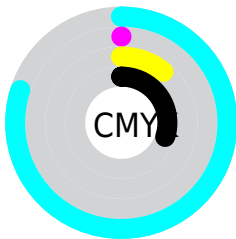
Distribution



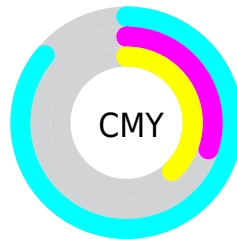
- Red (14%)
- Green (70%)
- Blue (62%)



- Red (14%)
- Yellow (44%)
- Blue (70%)



- Cyan (80%)
- Magenta (0%)
- Yellow (11%)
- Black (30%)





- Cyan (86%)
- Magenta (30%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.7191, 0.2388, 0.3620 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 34.7191, 0.2388, 0.3620 by changing the saturation by 10% instead.


 34.7191, 0.2388,
0.3620


 34.7191, 0.2388,
0.3620


323.3267, 0.2772,
0.3450


 23.4466, 0.2288,
0.3664


 67.0504, 0.2530,
0.3557


 14.9236, 0.2158,
0.3721


 88.8779, 0.2583,
0.3534


 8.7658, 0.1981,
0.3799


 114.9926, 0.2627,
0.3514

 4.5887, 0.1729,
0.3908

 145.7788, 0.2665,
0.3497

 2.0080, 0.1323,
0.4083

 181.6209, 0.2697,
0.3483

 0.6121, 0.0000,
0.4636

222.9033, 0.2725,

 0.0000, 0.0000,

0.3470

0.0000

270.0105, 0.2750,
0.3459

■ 34.7191, 0.2388,
0.3620

■ 34.7191, 0.2388,
0.3620

■ 34.3944, 0.2369,
0.3667

■ 35.2072, 0.2425,
0.3573

■ 34.1862, 0.2365,
0.3713

■ 35.8755, 0.2481,
0.3527

■ 34.1824, 0.2365,
0.3714

■ 36.7430, 0.2556,
0.3482

■ 37.8253, 0.2647,
0.3438

■ 39.1365, 0.2753,
0.3397

■ 40.6894, 0.2870,
0.3358

■ 42.4958, 0.2997,
0.3322

■ 44.5670, 0.3130,
0.3289

■ 46.9132, 0.3267,
0.3260

Harmonies

Analogous

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



34.7191, 0.2903, 0.4191



34.7191, 0.2388, 0.3620



34.7191, 0.2086, 0.2995

Triad

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



34.7191, 0.2388, 0.3620



34.7191, 0.2664, 0.2362



34.7191, 0.4340, 0.3880

Complementary

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



34.7191, 0.2388, 0.3620



11.0000, 0.5563, 0.3109

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.



34.7191, 0.4291, 0.3407



34.7191, 0.2388, 0.3620



34.7191, 0.3264, 0.2579

Square

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



34.7191, 0.2388, 0.3620



34.7191, 0.2235, 0.2340



34.7191, 0.3881, 0.2949



34.7191, 0.4039, 0.4272

Rectangle

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



34.7191, 0.2388, 0.3620



34.7191, 0.2025, 0.2669



34.7191, 0.3881, 0.2949



34.7191, 0.4366, 0.3725

Sweetspot

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



34.7204, 0.2388, 0.3620



72.4273, 0.2815, 0.3376



32.8482, 0.3101, 0.5678



15.8310, 0.2774, 0.3389



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



34.7204, 0.2388, 0.3620



62.0759, 0.2366, 0.3703



19.1019, 0.2050, 0.2371



9.6116, 0.3003, 0.3321



24.4624, 0.2363, 0.3708



0.7751, 0.2328, 0.3579

Inverse Universe

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



11.0000, 0.5563, 0.3109



17.5129, 0.6161, 0.3195



16.1956, 0.5257, 0.3874



8.5232, 0.3267, 0.3260



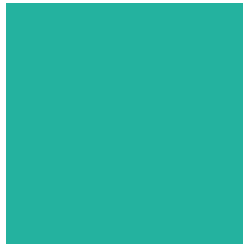
6.8246, 0.6201, 0.3190



0.2206, 0.5608, 0.2863

Previews

White Background



This preview shows how the Yxy color 34.7191, 0.2388, 0.3620 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 34.7191, 0.2388, 0.3620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

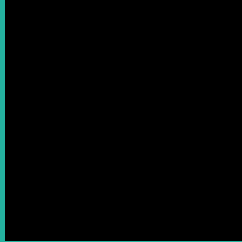
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.7191, 0.2388, 0.3620

Background



This preview shows how black text looks on a background with the Yxy color 34.7191, 0.2388, 0.3620.

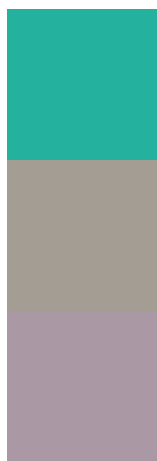


This preview shows how white text looks on a background with the Yxy color 34.7191, 0.2388, 0.3620.

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

34.7191, 0.2388, 0.3620

Protanopia

34.0071, 0.3279, 0.3439

Deuteranopia

34.0088, 0.3194, 0.3133



Tritanopia

34.7728, 0.2280, 0.3061

Trichromacy



Original Color

34.7191, 0.2388, 0.3620



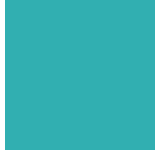
Protanomaly

32.9265, 0.2820, 0.3520



Deuteranomaly

32.5142, 0.2764, 0.3289



Tritanomaly

34.4872, 0.2315, 0.3254

Monochromacy



Original Color

34.7191, 0.2388, 0.3620



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

26.0446, 0.2711, 0.3416

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7191, 0.2388, 0.3620 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(36, 178, 159)` looks like.

```
.text, #text, p{  
    color:rgb(36, 178, 159)  
}
```

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(36, 178, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 178, 159) }
```

Border

The CSS property to change the border of an element to Yxy 34.7191, 0.2388, 0.3620 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(36, 178, 159) }
```

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

```
.border{ border-color:rgb(36, 178, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 178, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 178, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 178, 159);  
box-shadow:4px 4px 4px 4px rgb(36, 178,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7191, 0.2388, 0.3620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 178, 159) }
```

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

```
.background{ background-color: rgb(36, 178,  
159) }
```

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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