

Converting Colors

$Y_{xy}(34.8951, 0.2475, 0.3564)$

Have a look what the booklet for
Yxy(34.8951, 0.2475, 0.3564)
contains.

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Color

Yxy(34.7820, 0.2476, 0.3561)

Conversions

Conversions Part 1

Format	Color
Hex	43B0A0
RGB	67, 176, 160
RGB Percent	26%, 69%, 63%
CMY	0.7374, 0.3098, 0.3724
CMYK	0.62, 0.00, 0.09, 0.31
HSL	171°, 45%, 48%
HSV	171°, 62%, 69%
XYZ	24.1843, 34.7820, 38.7085
YIQ	141.5850, -59.8280, -28.0840

Conversions

Conversions Part 2

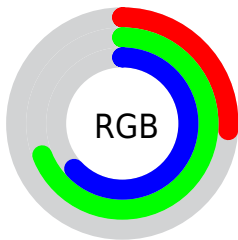
Format	Color
RYB	67, 126, 176
Decimal	4436128
CIELab	65.58, -34.80, -1.03
CIELCh	66, 34.811, 181.693
Yxy	34.7820, 0.2476, 0.3561
Android (android.graphics.Color)	4282626208 (0xFF43B0A0)
YUV	141.5850, 9.0786, -65.4110
Hunter-Lab	58.9763, -30.0113, 2.3689

Details

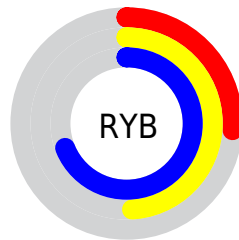
The Yxy color **34.7820, 0.2476, 0.3561** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **13.8626, 0.4766, 0.3078**, and the grayscale version is **26.8552, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.0551, 0.2598, 0.3504**, and **15.2700, 0.2343, 0.3635** is the 20% darker color. If you saturate the color by 10%, you get **34.1642, 0.2425, 0.3612**, and if you desaturate by 10%, it is **35.5934, 0.2546, 0.3511**.

Distribution



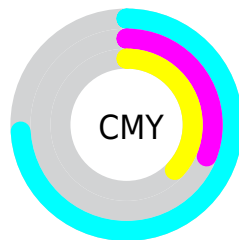
- Red (26%)
- Green (69%)
- Blue (63%)



- Red (26%)
- Yellow (49%)
- Blue (69%)



- Cyan (62%)
- Magenta (0%)
- Yellow (9%)
- Black (31%)





- Cyan (74%)
- Magenta (31%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.7820, 0.2476, 0.3561 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 34.7820, 0.2476, 0.3561 by changing the saturation by 10% instead.


 34.7820, 0.2476,
0.3561


 34.7820, 0.2476,
0.3561


323.6050, 0.2814,
0.3421


 23.4950, 0.2388,
0.3597


 67.1479, 0.2602,
0.3509

 14.9594, 0.2272,
0.3644


 88.9956, 0.2648,
0.3490


 8.7909, 0.2115,
0.3707


 115.1323, 0.2687,
0.3474

 4.6051, 0.1889,
0.3797

 145.9425, 0.2720,
0.3461

 2.0175, 0.1539,
0.3932

 181.8104, 0.2749,
0.3449

 0.6176, 0.0000,
0.4535

223.1206, 0.2773,

 0.0000, 0.0000,

0.3438

0.0000

270.2573, 0.2795,
0.3429

■ 34.7820, 0.2476,
0.3561

■ 34.7820, 0.2476,
0.3561

■ 34.1642, 0.2425,
0.3612

■ 35.5934, 0.2546,
0.3511

■ 33.7180, 0.2392,
0.3663

■ 36.6098, 0.2632,
0.3463

■ 33.4239, 0.2378,
0.3715

■ 37.8465, 0.2734,
0.3417

■ 33.2618, 0.2377,
0.3756

■ 39.3163, 0.2848,
0.3373

■ 41.0308, 0.2971,
0.3333

■ 43.0011, 0.3101,
0.3297

■ 45.2373, 0.3235,
0.3264

■ 47.7493, 0.3371,
0.3234

■ 50.5462, 0.3507,
0.3208

Harmonies

Analogous

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



34.7820, 0.2925, 0.4046



34.7820, 0.2476, 0.3561



34.7820, 0.2211, 0.3029

Triad

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



34.7820, 0.2476, 0.3561



34.7820, 0.2740, 0.2476



34.7820, 0.4176, 0.3829

Complementary

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



34.7820, 0.2476, 0.3561



13.8626, 0.4766, 0.3078

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.



34.7820, 0.4137, 0.3415



34.7820, 0.2476, 0.3561



34.7820, 0.3265, 0.2674

Square

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



34.7820, 0.2476, 0.3561



34.7820, 0.2355, 0.2456



34.7820, 0.3792, 0.3006



34.7820, 0.3915, 0.4156

Rectangle

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



34.7820, 0.2476, 0.3561



34.7820, 0.2159, 0.2747



34.7820, 0.3792, 0.3006



34.7820, 0.4199, 0.3695

Sweetspot

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



34.7833, 0.2476, 0.3561



72.0754, 0.2879, 0.3363



33.3105, 0.3140, 0.5196



15.4418, 0.2846, 0.3374



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



34.7833, 0.2476, 0.3561



61.6555, 0.2412, 0.3629



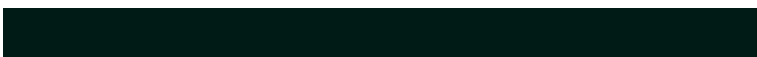
22.4563, 0.2232, 0.2609



9.6097, 0.3005, 0.3323



24.4099, 0.2375, 0.3750



0.7739, 0.2336, 0.3608

Inverse Universe

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



13.8626, 0.4766, 0.3078



20.5864, 0.5337, 0.3078



19.7629, 0.4648, 0.3830



8.5249, 0.3265, 0.3257



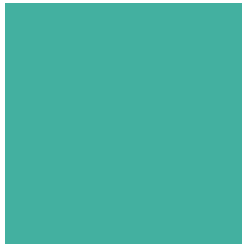
6.8319, 0.6175, 0.3175



0.2213, 0.5546, 0.2829

Previews

White Background



This preview shows how the Yxy color 34.7820, 0.2476, 0.3561 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 34.7820, 0.2476, 0.3561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

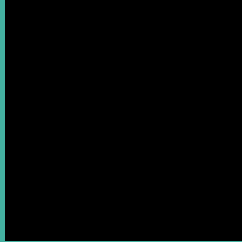
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

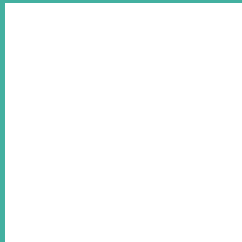
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.7820, 0.2476, 0.3561

Background



This preview shows how black text looks on a background with the Yxy color 34.7820, 0.2476, 0.3561.

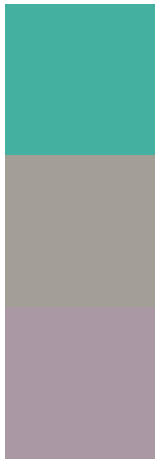


This preview shows how white text looks on a background with the Yxy color 34.7820, 0.2476, 0.3561.

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

34.7820, 0.2476, 0.3561

Protanopia

34.4423, 0.3249, 0.3408

Deuteranopia

34.0451, 0.3185, 0.3119



Tritanopia

34.6699, 0.2364, 0.3064

Trichromacy



Original Color

34.7820, 0.2476, 0.3561

Protanomaly

33.8326, 0.2887, 0.3465

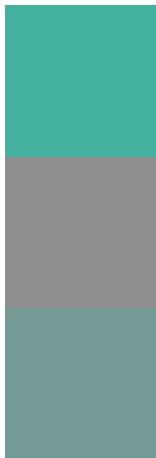
Deuteranomaly

33.1206, 0.2855, 0.3258

Tritanomaly

34.5173, 0.2399, 0.3222

Monochromacy



Original Color

34.7820, 0.2476, 0.3561

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.9260, 0.2806, 0.3374

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7820, 0.2476, 0.3561 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(67, 176, 160)` looks like.

```
.text, #text, p{  
    color:rgb(67, 176, 160)  
}
```

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(67, 176, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 176, 160) }
```

Border

The CSS property to change the border of an element to Yxy 34.7820, 0.2476, 0.3561 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(67, 176, 160) }
```

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

```
.border{ border-color:rgb(67, 176, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 176, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 176, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 176, 160);  
box-shadow:4px 4px 4px 4px rgb(67, 176,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7820, 0.2476, 0.3561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 176, 160) }
```

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

```
.background{ background-color: rgb(67, 176,  
160) }
```

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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