

Converting Colors

$Yxy(34.6670, 0.2406, 0.3364)$

Have a look what the booklet for
Yxy(34.6670, 0.2406, 0.3364)
contains.

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Color

Yxy(34.6860, 0.2407, 0.3372)

Conversions

Conversions Part 1

Format	Color
Hex	41AFAA
RGB	65, 175, 170
RGB Percent	25%, 69%, 67%
CMY	0.7455, 0.3137, 0.3333
CMYK	0.63, 0.00, 0.03, 0.31
HSL	177°, 46%, 47%
HSV	177°, 63%, 69%
XYZ	24.7595, 34.6860, 43.4192
YIQ	141.5400, -63.9550, -24.8750

Conversions

Conversions Part 2

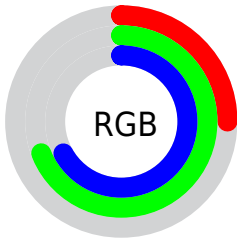
Format	Color
RYB	65, 121, 175
Decimal	4304810
CIELab	65.50, -31.98, -6.69
CIELCh	66, 32.671, 191.810
Yxy	34.6860, 0.2407, 0.3372
Android (android.graphics.Color)	4282494890 (0xFF41AFAA)
YUV	141.5400, 14.0308, -67.1256
Hunter-Lab	58.8948, -28.0240, -2.4842

Details

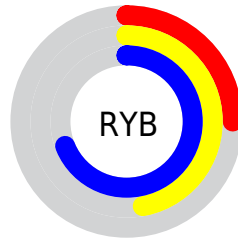
The Yxy color **34.6860, 0.2407, 0.3372** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.3239, 0.5010, 0.3230**, and the grayscale version is **26.8105, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.9480, 0.2543, 0.3363**, and **15.2271, 0.2273, 0.3384** is the 20% darker color. If you saturate the color by 10%, you get **34.1509, 0.2351, 0.3387**, and if you desaturate by 10%, it is **35.4089, 0.2482, 0.3357**.

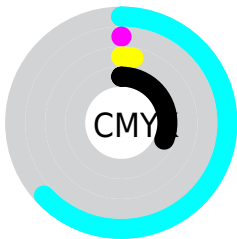
Distribution



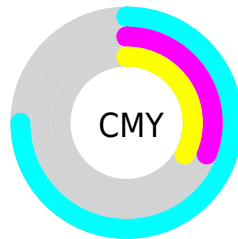
- Red (25%)
- Green (69%)
- Blue (67%)



- Red (25%)
- Yellow (47%)
- Blue (69%)



- Cyan (63%)
- Magenta (0%)
- Yellow (3%)
- Black (31%)




- Cyan (75%)
- Magenta (31%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6860, 0.2407, 0.3372 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 34.6860, 0.2407, 0.3372 by changing the saturation by 10% instead.


 34.6860, 0.2407,
0.3372


 34.6860, 0.2407,
0.3372


323.1802, 0.2778,
0.3337


 23.4211, 0.2312,
0.3378


 66.9990, 0.2544,
0.3361

 14.9048, 0.2188,
0.3385


 88.8160, 0.2595,
0.3356

 8.7526, 0.2021,
0.3390


 114.9190, 0.2637,
0.3352

 4.5801, 0.1785,
0.3390

 145.6926, 0.2674,
0.3348

 2.0031, 0.1431,
0.3370

 181.5212, 0.2705,
0.3345

 0.6093, 0.0000,
0.3482

222.7890, 0.2732,

 0.0000, 0.0000,

0.3342

0.0000

269.8805, 0.2756,
0.3339

■ 34.6860, 0.2407,
0.3372

■ 34.6860, 0.2407,
0.3372

■ 34.1509, 0.2351,
0.3387

■ 35.4089, 0.2482,
0.3357

■ 33.7817, 0.2313,
0.3402

■ 36.3310, 0.2575,
0.3343

■ 33.5587, 0.2293,
0.3417

■ 37.4677, 0.2684,
0.3329

■ 33.4569, 0.2285,
0.3427

■ 38.8314, 0.2807,
0.3316

■ 40.4338, 0.2941,
0.3304

■ 42.2859, 0.3084,
0.3293

■ 44.3977, 0.3233,
0.3283

■ 46.7789, 0.3384,
0.3274

■ 49.4387, 0.3536,
0.3266

Harmonies

Analogous

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



34.6860, 0.2782, 0.3863



34.6860, 0.2407, 0.3372



34.6860, 0.2225, 0.2904

Triad

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



34.6860, 0.2407, 0.3372



34.6860, 0.2921, 0.2566



34.6860, 0.4060, 0.3921

Complementary

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



34.6860, 0.2407, 0.3372



13.3239, 0.5010, 0.3230

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.



34.6860, 0.4122, 0.3547



34.6860, 0.2407, 0.3372



34.6860, 0.3433, 0.2802

Square

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



34.6860, 0.2407, 0.3372



34.6860, 0.2502, 0.2488



34.6860, 0.3888, 0.3150



34.6860, 0.3740, 0.4168

Rectangle

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



34.6860, 0.2407, 0.3372



34.6860, 0.2224, 0.2677



34.6860, 0.3888, 0.3150



34.6860, 0.4114, 0.3804

Sweetspot

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



34.6873, 0.2407, 0.3372



70.5156, 0.2854, 0.3312



32.3622, 0.3066, 0.5268



15.5014, 0.2817, 0.3315



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.



34.6873, 0.2407, 0.3372



60.8277, 0.2332, 0.3393



18.9985, 0.2173, 0.2386



9.0657, 0.2992, 0.3300



23.9580, 0.2285, 0.3425



0.6684, 0.2272, 0.3380

Inverse Universe

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



13.3239, 0.5010, 0.3230



19.3562, 0.5667, 0.3237



21.6306, 0.4558, 0.3992



8.0210, 0.3279, 0.3280



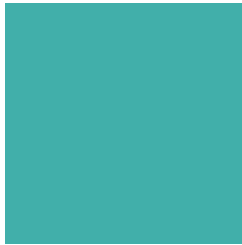
6.5418, 0.6340, 0.3266



0.1839, 0.6083, 0.3125

Previews

White Background



This preview shows how the Yxy color 34.6860, 0.2407, 0.3372 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 34.6860, 0.2407, 0.3372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

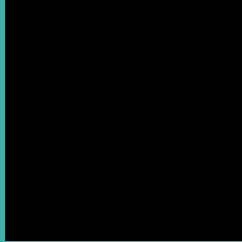
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.6860, 0.2407, 0.3372

Background



This preview shows how black text looks on a background with the Yxy color 34.6860, 0.2407, 0.3372.

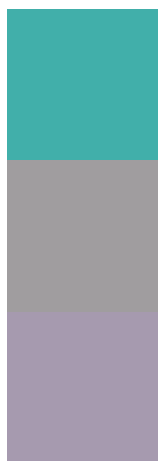


This preview shows how white text looks on a background with the Yxy color 34.6860, 0.2407, 0.3372.

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

34.6860, 0.2407, 0.3372

Protanopia

34.0907, 0.3138, 0.3261

Deuteranopia

34.3133, 0.3054, 0.2992



Tritanopia

34.8100, 0.2342, 0.3079

Trichromacy



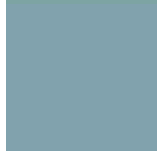
Original Color

34.6860, 0.2407, 0.3372



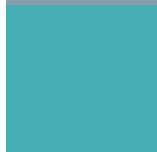
Protanomaly

33.5552, 0.2792, 0.3305



Deuteranomaly

33.5249, 0.2746, 0.3119



Tritanomaly

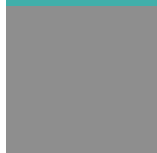
34.8326, 0.2365, 0.3190

Monochromacy



Original Color

34.6860, 0.2407, 0.3372



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

28.9556, 0.2773, 0.3323

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6860, 0.2407, 0.3372 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(65, 175, 170)` looks like.

```
.text, #text, p{  
    color:rgb(65, 175, 170)  
}
```

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(65, 175, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 175, 170) }
```

Border

The CSS property to change the border of an element to Yxy 34.6860, 0.2407, 0.3372 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(65, 175, 170) }
```

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

```
.border{ border-color:rgb(65, 175, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 175, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 175, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 175, 170);  
box-shadow:4px 4px 4px 4px rgb(65, 175,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6860, 0.2407, 0.3372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 175, 170) }
```

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

```
.background{ background-color: rgb(65, 175,  
170) }
```

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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