

Converting Colors

$Yxy(35.2312, 0.2399, 0.3492)$

Have a look what the booklet for
Yxy(35.2312, 0.2399, 0.3492)
contains.

Yxy(35.3508, 0.2397, 0.3492)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.3508, 0.2397, 0.3492)

Conversions

Conversions Part 1

Format	Color
Hex	35B2A6
RGB	53, 178, 166
RGB Percent	21%, 70%, 65%
CMY	0.7927, 0.3019, 0.3490
CMYK	0.70, 0.00, 0.07, 0.30
HSL	174°, 54%, 45%
HSV	174°, 70%, 70%
XYZ	24.2657, 35.3508, 41.6172
YIQ	139.2570, -70.6480, -30.2320

Conversions

Conversions Part 2

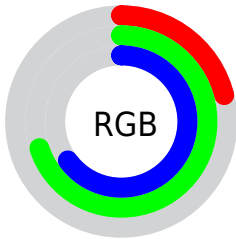
Format	Color
RYB	53, 119, 178
Decimal	3519142
CIELab	66.02, -36.35, -3.73
CIELCh	66, 36.538, 185.858
Yxy	35.3508, 0.2397, 0.3492
Android (android.graphics.Color)	4281709222 (0xFF35B2A6)
YUV	139.2570, 13.1843, -75.6474
Hunter-Lab	59.4565, -31.1986, 0.1190

Details

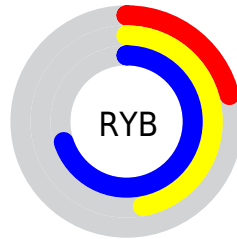
The Yxy color **35.3508, 0.2397, 0.3492** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **12.3815, 0.5243, 0.3154**, and the grayscale version is **25.8784, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.8480, 0.2534, 0.3452**, and **15.8821, 0.2321, 0.3554** is the 20% darker color. If you saturate the color by 10%, you get **34.8950, 0.2358, 0.3525**, and if you desaturate by 10%, it is **35.9892, 0.2455, 0.3460**.

Distribution



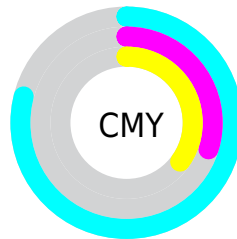
- Red (21%)
- Green (70%)
- Blue (65%)



- Red (21%)
- Yellow (47%)
- Blue (70%)



- Cyan (70%)
- Magenta (0%)
- Yellow (7%)
- Black (30%)




- Cyan (79%)
- Magenta (30%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3508, 0.2397, 0.3492 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 35.3508, 0.2397, 0.3492 by changing the saturation by 10% instead.


 35.3508, 0.2397,
0.3492


 35.3508, 0.2397,
0.3492


326.1140, 0.2773,
0.3392


 23.9332, 0.2300,
0.3516


 68.0289, 0.2536,
0.3456


 15.2841, 0.2174,
0.3546


 90.0581, 0.2587,
0.3443

 9.0190, 0.2004,
0.3585


 116.3934, 0.2631,
0.3431

 4.7536, 0.1764,
0.3635

 147.4191, 0.2668,
0.3421

 2.1034, 0.1404,
0.3698

 183.5197, 0.2699,
0.3413

 0.6665, 0.0000,
0.4032

225.0794, 0.2727,

 0.0000, 0.0000,

0.3405

0.0000

272.4827, 0.2751,
0.3398

■ 35.3508, 0.2397,
0.3492

■ 35.3508, 0.2397,
0.3492

■ 34.8950, 0.2358,
0.3525

■ 35.9892, 0.2455,
0.3460

■ 34.5966, 0.2337,
0.3557

■ 36.8239, 0.2531,
0.3428

■ 34.4160, 0.2330,
0.3588

■ 37.8719, 0.2625,
0.3397

■ 39.1473, 0.2733,
0.3367

■ 40.6630, 0.2854,
0.3340

■ 42.4310, 0.2985,
0.3314

■ 44.4623, 0.3123,
0.3291

■ 46.7675, 0.3265,
0.3269

■ 49.3563, 0.3409,
0.3250

Harmonies

Analogous

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



35.3508, 0.2842, 0.4024



35.3508, 0.2397, 0.3492



35.3508, 0.2155, 0.2947

Triad

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



35.3508, 0.2397, 0.3492



35.3508, 0.2793, 0.2463



35.3508, 0.4200, 0.3903

Complementary

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



35.3508, 0.2397, 0.3492



12.3815, 0.5243, 0.3154

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.



35.3508, 0.4208, 0.3478



35.3508, 0.2397, 0.3492



35.3508, 0.3351, 0.2690

Square

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



35.3508, 0.2397, 0.3492



35.3508, 0.2367, 0.2413



35.3508, 0.3887, 0.3049



35.3508, 0.3889, 0.4224

Rectangle

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



35.3508, 0.2397, 0.3492



35.3508, 0.2123, 0.2672



35.3508, 0.3887, 0.3049



35.3508, 0.4240, 0.3767

Sweetspot

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



35.3522, 0.2397, 0.3492



73.4144, 0.2841, 0.3343



33.2387, 0.3088, 0.5468



16.0920, 0.2807, 0.3350



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.



35.3522, 0.2397, 0.3492



62.9579, 0.2345, 0.3541



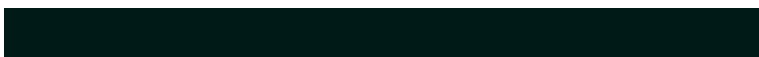
19.3953, 0.2110, 0.2378



9.6172, 0.2998, 0.3312



24.6263, 0.2329, 0.3585



0.7789, 0.2304, 0.3494

Inverse Universe

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



12.3815, 0.5243, 0.3154



18.7793, 0.5879, 0.3185



19.4086, 0.4857, 0.3953



8.5181, 0.3272, 0.3268



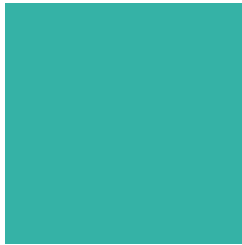
6.8059, 0.6271, 0.3228



0.2185, 0.5805, 0.2971

Previews

White Background



This preview shows how the Yxy color 35.3508, 0.2397, 0.3492 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 35.3508, 0.2397, 0.3492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

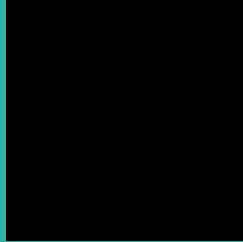
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

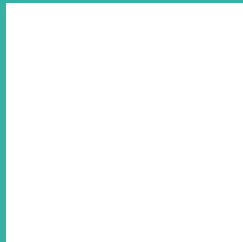
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.3508, 0.2397, 0.3492

Background



This preview shows how black text looks on a background with the Yxy color 35.3508, 0.2397, 0.3492.

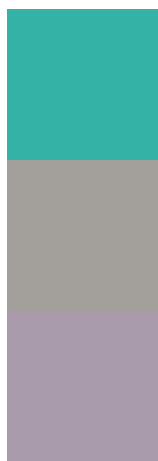


This preview shows how white text looks on a background with the Yxy color 35.3508, 0.2397, 0.3492.

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

35.3508, 0.2397, 0.3492

Protanopia

34.9494, 0.3202, 0.3349

Deuteranopia

34.8180, 0.3118, 0.3064



Tritanopia

35.4579, 0.2307, 0.3064

Trichromacy



Original Color

35.3508, 0.2397, 0.3492



Protanomaly

33.9866, 0.2808, 0.3401



Deuteranomaly

33.5710, 0.2761, 0.3195



Tritanomaly

35.3790, 0.2337, 0.3206

Monochromacy



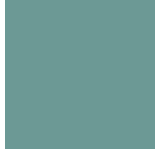
Original Color

35.3508, 0.2397, 0.3492



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

28.1405, 0.2745, 0.3358

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3508, 0.2397, 0.3492 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(53, 178, 166)` looks like.

```
.text, #text, p{  
    color:rgb(53, 178, 166)  
}
```

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(53, 178, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 178, 166) }
```

Border

The CSS property to change the border of an element to Yxy 35.3508, 0.2397, 0.3492 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(53, 178, 166) }
```

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

```
.border{ border-color:rgb(53, 178, 166) }
```

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

Here you see how a box with a 4 pixel rgb(53, 178, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 178, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 178, 166);  
box-shadow:4px 4px 4px 4px rgb(53, 178,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3508, 0.2397, 0.3492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 178, 166) }
```

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

```
.background{ background-color: rgb(53, 178,  
166) }
```

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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