

Converting Colors

$Y_{xy}(30.6820, 0.1701, 0.4119)$

Have a look what the booklet for
Yxy(30.6820, 0.1701, 0.4119)
contains.

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Color

Yxy(35.4391, 0.2442, 0.3990)

Conversions

Conversions Part 1

Format	Color
Hex	00B68F
RGB	0, 182, 143
RGB Percent	0%, 71%, 56%
CMY	0.9987, 0.2863, 0.4391
CMYK	1.00, 0.00, 0.21, 0.29
HSL	167°, 100%, 36%
HSV	167°, 100%, 71%
XYZ	21.6898, 35.4391, 31.6909
YIQ	123.1360, -95.9530, -50.7130

Conversions

Conversions Part 2

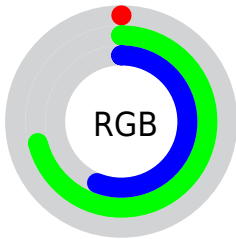
Format	Color
RYB	0, 102, 182
Decimal	46735
CIELab	66.09, -48.29, 8.99
CIELCh	66, 49.117, 169.453
Yxy	35.4391, 0.2442, 0.3990
Android (android.graphics.Color)	4278236815 (0xFF00B68F)
YUV	123.1360, 9.7930, -107.9903
Hunter-Lab	59.5307, -39.1430, 10.1088

Details

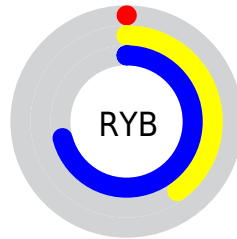
The Yxy color **35.4391, 0.2442, 0.3990** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **10.1003, 0.6028, 0.3096**, and the grayscale version is **19.8791, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.2510, 0.2577, 0.3843**, and **16.2287, 0.2492, 0.4172** is the 20% darker color. If you saturate the color by 10%, you get **35.4363, 0.2442, 0.3991**, and if you desaturate by 10%, it is **35.6925, 0.2439, 0.3912**.

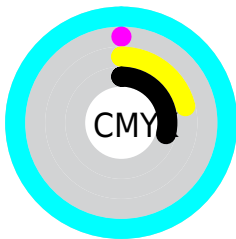
Distribution



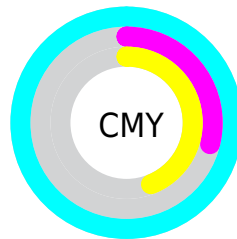
- Red (0%)
- Green (71%)
- Blue (56%)



- Red (0%)
- Yellow (40%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (29%)





- Cyan (100%)
- Magenta (29%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 35.4391, 0.2442, 0.3990 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 35.4391, 0.2442, 0.3990 by changing the saturation by 10% instead.

 35.4391, 0.2442,
0.3990


 35.4391, 0.2442,
0.3990


 326.5023, 0.2804,
0.3611


 24.0013, 0.2345,
0.4095


 68.1654, 0.2578,
0.3845

 15.3346, 0.2217,
0.4237


 90.2228, 0.2628,
0.3792

 9.0545, 0.2040,
0.4438


 116.5888, 0.2670,
0.3749

 4.7768, 0.1782,
0.4744

 147.6478, 0.2705,
0.3713

 2.1169, 0.1290,
0.5312

 183.7843, 0.2735,
0.3682

 0.6741, 0.0000,
0.8648

 225.3826, 0.2761,

 0.0000, 0.0000,

0.3655

0.0000

272.8271, 0.2784,
0.3631

■ 35.4391, 0.2442,
0.3990

■ 35.4391, 0.2442,
0.3990

■ 35.4363, 0.2442,
0.3991

■ 35.6925, 0.2439,
0.3912

■ 36.0717, 0.2450,
0.3834

■ 36.6223, 0.2481,
0.3756

■ 37.3666, 0.2531,
0.3679

■ 38.3233, 0.2599,
0.3604

■ 39.5088, 0.2684,
0.3532

■ 40.9380, 0.2782,
0.3464

■ 42.6246, 0.2891,
0.3400

■ 44.5811, 0.3007,
0.3342

Harmonies

Analogous

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



35.4391, 0.3112, 0.4575



35.4391, 0.2442, 0.3990



35.4391, 0.1990, 0.3189

Triad

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



35.4391, 0.2442, 0.3990



35.4391, 0.2349, 0.2158



35.4391, 0.4619, 0.3750

Complementary

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



35.4391, 0.2442, 0.3990



10.1003, 0.6028, 0.3096

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.



35.4391, 0.4395, 0.3197



35.4391, 0.2442, 0.3990



35.4391, 0.2994, 0.2332

Square

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



35.4391, 0.2442, 0.3990



35.4391, 0.1952, 0.2219



35.4391, 0.3766, 0.2699



35.4391, 0.4387, 0.4281

Rectangle

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



35.4391, 0.2442, 0.3990



35.4391, 0.1850, 0.2735



35.4391, 0.3766, 0.2699



35.4391, 0.4598, 0.3564

Sweetspot

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



35.4405, 0.2442, 0.3990



74.0306, 0.2775, 0.3468



33.9002, 0.3080, 0.5935



16.1011, 0.2732, 0.3496



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



35.4405, 0.2442, 0.3990



64.2119, 0.2446, 0.4004



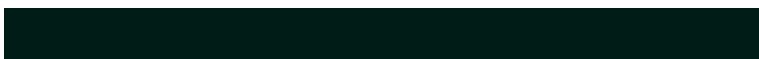
19.4842, 0.1985, 0.2344



10.1767, 0.3013, 0.3339



25.0357, 0.2440, 0.3982



0.8909, 0.2384, 0.3782

Inverse Universe

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



10.1003, 0.6028, 0.3096



18.2683, 0.6069, 0.3117



12.3835, 0.5995, 0.3619



9.0429, 0.3255, 0.3241



7.1350, 0.6006, 0.3082



0.2608, 0.5290, 0.2688

Previews

White Background



This preview shows how the Yxy color 35.4391, 0.2442, 0.3990 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 35.4391, 0.2442, 0.3990 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 35.4391, 0.2442, 0.3990

Background



This preview shows how black text looks on a background with the Yxy color 35.4391, 0.2442, 0.3990.



This preview shows how white text looks on a background with the Yxy color 35.4391, 0.2442, 0.3990.

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

35.4391, 0.2442, 0.3990

Protanopia

34.8972, 0.3479, 0.3687

Deuteranopia

34.8648, 0.3429, 0.3361



Tritanopia

35.6091, 0.2275, 0.3063

Trichromacy



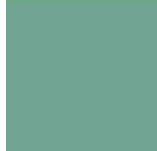
Original Color

35.4391, 0.2442, 0.3990



Protanomaly

32.6032, 0.2864, 0.3820



Deuteranomaly

32.2349, 0.2825, 0.3574



Tritanomaly

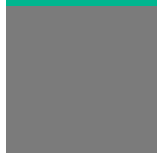
35.2330, 0.2315, 0.3372

Monochromacy



Original Color

35.4391, 0.2442, 0.3990



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

23.1779, 0.2637, 0.3565

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.4391, 0.2442, 0.3990 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(0, 182, 143)` looks like.

```
.text, #text, p{  
  color:rgb(0, 182, 143)  
}
```

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(0, 182, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 143) }
```

Border

The CSS property to change the border of an element to Yxy 35.4391, 0.2442, 0.3990 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(0, 182, 143) }
```

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

```
.border{ border-color:rgb(0, 182, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 182, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 143);  
box-shadow:4px 4px 4px 4px rgb(0, 182,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 35.4391, 0.2442, 0.3990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 182, 143) }
```

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

```
.background{ background-color: rgb(0, 182,  
143) }
```

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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