

Converting Colors

$Y_{xy}(35.3498, 0.2706, 0.4848)$

Have a look what the booklet for
Yxy(35.3498, 0.2706, 0.4848)
contains.

Yxy(35.3498, 0.2706, 0.4848)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.3498, 0.2706, 0.4848)

Conversions

Conversions Part 1

Format	Color
Hex	14B864
RGB	20, 184, 100
RGB Percent	8%, 72%, 39%
CMY	0.9209, 0.2784, 0.6079
CMYK	0.89, 0.00, 0.46, 0.28
HSL	149°, 80%, 40%
HSV	149°, 89%, 72%
XYZ	19.7311, 35.3498, 17.8353
YIQ	125.3880, -70.7800, -60.8920

Conversions

Conversions Part 2

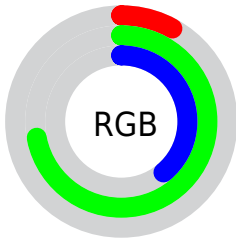
Format	Color
RYB	20, 130, 184
Decimal	1357924
CIELab	66.02, -57.48, 31.98
CIELCh	66, 65.778, 150.906
Yxy	35.3498, 0.2706, 0.4848
Android (android.graphics.Color)	4279548004 (0xFF14B864)
YUV	125.3880, -12.5163, -92.4253
Hunter-Lab	59.4557, -44.8099, 23.8334

Details

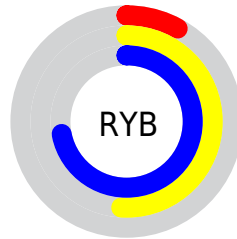
The Yxy color **35.3498, 0.2706, 0.4848** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **11.7003, 0.4650, 0.2415**, and the grayscale version is **20.7250, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.8869, 0.2809, 0.4501**, and **15.9395, 0.2802, 0.5287** is the 20% darker color. If you saturate the color by 10%, you get **35.0399, 0.2733, 0.5032**, and if you desaturate by 10%, it is **35.8172, 0.2695, 0.4653**.

Distribution



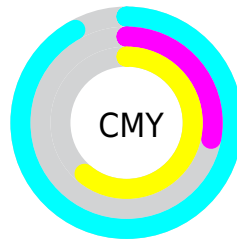
- Red (8%)
- Green (72%)
- Blue (39%)



- Red (8%)
- Yellow (51%)
- Blue (72%)



- Cyan (89%)
- Magenta (0%)
- Yellow (46%)
- Black (28%)





- Cyan (92%)
- Magenta (28%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3498, 0.2706, 0.4848 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 35.3498, 0.2706, 0.4848 by changing the saturation by 10% instead.


 35.3498, 0.2706,
0.4848


 35.3498, 0.2706,
0.4848


 326.1096, 0.2962,
0.3969

 23.9325, 0.2624,
0.5103


 68.0273, 0.2812,
0.4503


 15.2835, 0.2506,
0.5451


 90.0563, 0.2847,
0.4381


 9.0186, 0.2326,
0.5949


 116.3912, 0.2876,
0.4282

 4.7533, 0.2027,
0.6703

 147.4165, 0.2899,
0.4198

 2.1033, 0.1184,
0.8816

 183.5167, 0.2919,
0.4128

 0.6665, 0.0000,
1.0000

 225.0760, 0.2935,

 0.0000, 0.0000,

0.4067

0.0000

272.4788, 0.2949,
0.4015

■ 35.3498, 0.2706,
0.4848

■ 35.3498, 0.2706,
0.4848

■ 35.0399, 0.2733,
0.5032

■ 35.8172, 0.2695,
0.4653

■ 35.0128, 0.2736,
0.5050

■ 36.4785, 0.2704,
0.4454

■ 37.3582, 0.2732,
0.4254

■ 38.4759, 0.2776,
0.4060

■ 39.8490, 0.2833,
0.3876

■ 41.4932, 0.2901,
0.3705

■ 43.4228, 0.2975,
0.3548

■ 45.6513, 0.3054,
0.3406

■ 48.1911, 0.3135,
0.3278

Harmonies

Analogous

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



35.3498, 0.3626, 0.5156



35.3498, 0.2706, 0.4848



35.3498, 0.1952, 0.3809

Triad

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



35.3498, 0.2706, 0.4848



35.3498, 0.1781, 0.1858



35.3498, 0.5004, 0.3376

Complementary

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



35.3498, 0.2706, 0.4848



11.7003, 0.4650, 0.2415

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.



35.3498, 0.4344, 0.2739



35.3498, 0.2706, 0.4848



35.3498, 0.2389, 0.1911

Square

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



35.3498, 0.2706, 0.4848



35.3498, 0.1507, 0.2108



35.3498, 0.3318, 0.2222



35.3498, 0.5010, 0.4065

Rectangle

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



35.3498, 0.2706, 0.4848



35.3498, 0.1643, 0.3066



35.3498, 0.3318, 0.2222



35.3498, 0.4851, 0.3156

Sweetspot

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



35.3512, 0.2706, 0.4848



75.7365, 0.2912, 0.3679



37.3243, 0.3441, 0.5566



16.0919, 0.2888, 0.3735



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.



35.3512, 0.2706, 0.4848



63.4227, 0.2744, 0.5078



37.7787, 0.2276, 0.3332



10.1311, 0.3052, 0.3410



24.1449, 0.2730, 0.5028



0.8637, 0.2595, 0.4542

Inverse Universe

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



11.7003, 0.4650, 0.2415



19.9011, 0.4939, 0.2494



10.7584, 0.6160, 0.3285



9.0870, 0.3210, 0.3173



7.5989, 0.4878, 0.2461



0.2803, 0.4337, 0.2163

Previews

White Background



This preview shows how the Yxy color 35.3498, 0.2706, 0.4848 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 35.3498, 0.2706, 0.4848 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 35.3498, 0.2706, 0.4848

Background



This preview shows how black text looks on a background with the Yxy color 35.3498, 0.2706, 0.4848.



This preview shows how white text looks on a background with the Yxy color 35.3498, 0.2706, 0.4848.

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

35.3498, 0.2706, 0.4848

Protanopia

34.6656, 0.3920, 0.4252

Deuteranopia

34.4863, 0.3967, 0.3890



Tritanopia

35.2425, 0.2331, 0.3064

Trichromacy



Original Color

35.3498, 0.2706, 0.4848



Protanomaly

32.7354, 0.3281, 0.4545



Deuteranomaly

32.1600, 0.3290, 0.4279



Tritanomaly

34.9980, 0.2453, 0.3670

Monochromacy



Original Color

35.3498, 0.2706, 0.4848



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

23.8450, 0.2827, 0.3882

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3498, 0.2706, 0.4848 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(20, 184, 100)` looks like.

```
.text, #text, p{  
    color:rgb(20, 184, 100)  
}
```

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(20, 184, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 184, 100) }
```

Border

The CSS property to change the border of an element to Yxy 35.3498, 0.2706, 0.4848 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(20, 184, 100) }
```

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

```
.border{ border-color:rgb(20, 184, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 184, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 184, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 184, 100);  
box-shadow:4px 4px 4px 4px rgb(20, 184,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3498, 0.2706, 0.4848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 184, 100) }
```

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

```
.background{ background-color: rgb(20, 184,  
100) }
```

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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