

Converting Colors

$Y_{xy}(34.7488, 0.2690, 0.4885)$

Have a look what the booklet for
Yxy(34.7488, 0.2690, 0.4885)
contains.

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Color

Yxy(34.7488, 0.2690, 0.4885)

Conversions

Conversions Part 1

Format	Color
Hex	00B762
RGB	0, 183, 98
RGB Percent	0%, 72%, 38%
CMY	1.0000, 0.2823, 0.6157
CMYK	1.00, 0.00, 0.46, 0.28
HSL	152°, 100%, 36%
HSV	152°, 100%, 72%
XYZ	19.1350, 34.7488, 17.2499
YIQ	118.5930, -81.7830, -65.2310

Conversions

Conversions Part 2

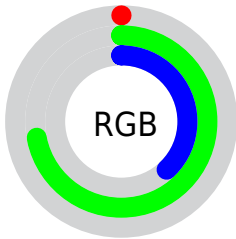
Format	Color
RYB	0, 119, 183
Decimal	46946
CIELab	65.55, -58.48, 32.39
CIELCh	66, 66.846, 151.019
Yxy	34.7488, 0.2690, 0.4885
Android (android.graphics.Color)	4278237026 (0xFF00B762)
YUV	118.5930, -10.1523, -104.0061
Hunter-Lab	58.9481, -45.2169, 23.9137

Details

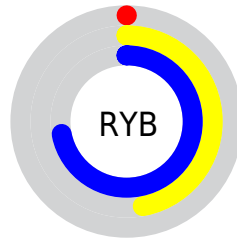
The Yxy color **34.7488, 0.2690, 0.4885** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **10.7245, 0.5108, 0.2587**, and the grayscale version is **18.3655, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.9551, 0.2797, 0.4526**, and **15.6601, 0.2812, 0.5322** is the 20% darker color. If you saturate the color by 10%, you get **34.7519, 0.2690, 0.4885**, and if you desaturate by 10%, it is **35.0526, 0.2665, 0.4714**.

Distribution



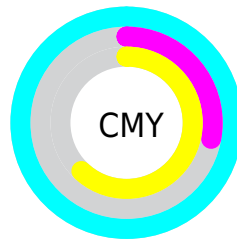
- Red (0%)
- Green (72%)
- Blue (38%)



- Red (0%)
- Yellow (47%)
- Blue (72%)



- Cyan (100%)
- Magenta (0%)
- Yellow (46%)
- Black (28%)




- Cyan (100%)
- Magenta (28%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.7488, 0.2690, 0.4885 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 34.7488, 0.2690, 0.4885 by changing the saturation by 10% instead.


 34.7488, 0.2690,
0.4885


 34.7488, 0.2690,
0.4885

323.4582, 0.2956,
0.3982


 23.4694, 0.2604,
0.5148


 67.0964, 0.2800,
0.4530

 14.9405, 0.2480,
0.5508


 88.9335, 0.2837,
0.4405

 8.7777, 0.2291,
0.6025


 115.0586, 0.2867,
0.4302

 4.5964, 0.1978,
0.6813

 145.8561, 0.2891,
0.4217

 2.0125, 0.0941,
0.9059

 181.7104, 0.2912,
0.4144

 0.6147, 0.0000,
1.0000

 223.0059, 0.2929,

 0.0000, 0.0000,

0.4083

0.0000

270.1270, 0.2943,
0.4029

■ 34.7488, 0.2690,
0.4885

■ 34.7488, 0.2690,
0.4885

■ 34.7519, 0.2690,
0.4885

■ 35.0526, 0.2665,
0.4714

■ 35.4939, 0.2656,
0.4536

■ 36.1222, 0.2666,
0.4355

■ 36.9605, 0.2696,
0.4175

■ 38.0283, 0.2742,
0.4000

■ 39.3427, 0.2803,
0.3834

■ 40.9192, 0.2875,
0.3679

■ 42.7719, 0.2955,
0.3536

■ 44.9140, 0.3040,
0.3406

Harmonies

Analogous

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



34.7488, 0.3625, 0.5197



34.7488, 0.2690, 0.4885



34.7488, 0.1926, 0.3815

Triad

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



34.7488, 0.2690, 0.4885



34.7488, 0.1760, 0.1833



34.7488, 0.5045, 0.3374

Complementary

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



34.7488, 0.2690, 0.4885



10.7245, 0.5108, 0.2587

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.



34.7488, 0.4373, 0.2729



34.7488, 0.2690, 0.4885



34.7488, 0.2377, 0.1889

Square

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



34.7488, 0.2690, 0.4885



34.7488, 0.1481, 0.2083



34.7488, 0.3325, 0.2205



34.7488, 0.5043, 0.4073

Rectangle

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



34.7488, 0.2690, 0.4885



34.7488, 0.1615, 0.3053



34.7488, 0.3325, 0.2205



34.7488, 0.4890, 0.3151

Sweetspot

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



34.7519, 0.2690, 0.4885



73.1271, 0.2871, 0.3686



35.8206, 0.3322, 0.5744



15.8787, 0.2840, 0.3750



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.



34.7519, 0.2690, 0.4885



62.1869, 0.2698, 0.4911



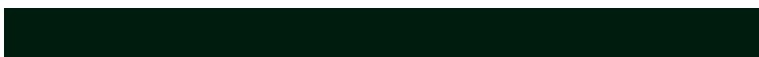
34.8271, 0.2218, 0.3186



10.1383, 0.3045, 0.3398



24.2551, 0.2685, 0.4865



0.8674, 0.2560, 0.4417

Inverse Universe

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



10.7245, 0.5108, 0.2587



19.1600, 0.5145, 0.2608



10.2007, 0.6376, 0.3319



9.0798, 0.3217, 0.3184



7.4945, 0.5080, 0.2572



0.2767, 0.4475, 0.2239

Previews

White Background



This preview shows how the Yxy color 34.7488, 0.2690, 0.4885 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 34.7488, 0.2690, 0.4885 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 34.7488, 0.2690, 0.4885

Background



This preview shows how black text looks on a background with the Yxy color 34.7488, 0.2690, 0.4885.



This preview shows how white text looks on a background with the Yxy color 34.7488, 0.2690, 0.4885.

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

34.7488, 0.2690, 0.4885

Protanopia

34.1737, 0.3933, 0.4269

Deuteranopia

33.9926, 0.3982, 0.3906



Tritanopia

34.7402, 0.2324, 0.3063

Trichromacy



Original Color

34.7488, 0.2690, 0.4885



Protanomaly

31.7896, 0.3224, 0.4595



Deuteranomaly

31.1667, 0.3231, 0.4324



Tritanomaly

34.3463, 0.2426, 0.3675

Monochromacy



Original Color

34.7488, 0.2690, 0.4885



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

22.0302, 0.2771, 0.3932

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7488, 0.2690, 0.4885 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, 183, 98)` looks like.

```
.text, #text, p{  
    color:rgb(0, 183, 98)  
}
```

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, 183, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 183, 98) }
```

Border

The CSS property to change the border of an element to Yxy 34.7488, 0.2690, 0.4885 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, 183, 98) }
```

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

```
.border{ border-color:rgb(0, 183, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 183, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 183, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 183, 98);  
box-shadow:4px 4px 4px 4px rgb(0, 183, 98)  
}
```


Background

The CSS property to change the background color of an element to Yxy 34.7488, 0.2690, 0.4885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 183, 98) }
```

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

```
.background{ background-color: rgb(0, 183,  
98) }
```

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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