

Converting Colors

$Y_{xy}(30.4305, 0.2502, 0.4118)$

Have a look what the booklet for
Yxy(30.4305, 0.2502, 0.4118)
contains.

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Color

Yxy(30.4305, 0.2502, 0.4118)

Conversions

Conversions Part 1

Format	Color
Hex	14AA7F
RGB	20, 170, 127
RGB Percent	8%, 67%, 50%
CMY	0.9228, 0.3333, 0.5020
CMYK	0.88, 0.00, 0.25, 0.33
HSL	163°, 79%, 37%
HSV	163°, 88%, 67%
XYZ	18.4889, 30.4305, 24.9770
YIQ	120.2480, -75.5970, -45.1730

Conversions

Conversions Part 2

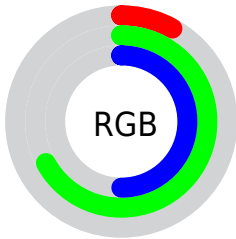
Format	Color
RYB	20, 108, 170
Decimal	1354367
CIELab	62.02, -46.60, 12.09
CIELCh	62, 48.145, 165.452
Yxy	30.4305, 0.2502, 0.4118
Android (android.graphics.Color)	4279544447 (0xFF14AA7F)
YUV	120.2480, 3.3287, -87.9175
Hunter-Lab	55.1638, -36.7102, 11.7695

Details

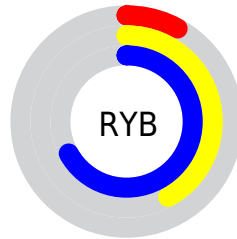
The Yxy color **30.4305, 0.2502, 0.4118** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **9.3918, 0.5427, 0.2877**, and the grayscale version is **18.8428, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2294, 0.2634, 0.3930**, and **13.2726, 0.2547, 0.4370** is the 20% darker color. If you saturate the color by 10%, you get **30.1798, 0.2510, 0.4224**, and if you desaturate by 10%, it is **30.8036, 0.2511, 0.4011**.

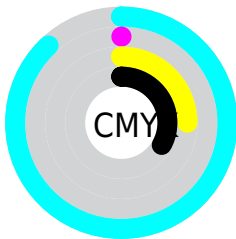
Distribution



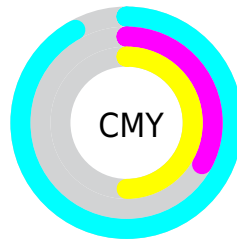
- Red (8%)
- Green (67%)
- Blue (50%)



- Red (8%)
- Yellow (42%)
- Blue (67%)



- Cyan (88%)
- Magenta (0%)
- Yellow (25%)
- Black (33%)





- Cyan (92%)
- Magenta (33%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4305, 0.2502, 0.4118 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 30.4305, 0.2502, 0.4118 by changing the saturation by 10% instead.


 30.4305, 0.2502,
0.4118


 30.4305, 0.2502,
0.4118


303.9060, 0.2845,
0.3654


 20.1656, 0.2405,
0.4253


 60.3423, 0.2635,
0.3936


 12.5155, 0.2274,
0.4441


 80.7580, 0.2682,
0.3872

 7.0958, 0.2086,
0.4716


 105.3261, 0.2721,
0.3819

 3.5221, 0.1797,
0.5157

 134.4309, 0.2754,
0.3775

 1.4100, 0.0596,
0.6584

 168.4570, 0.2782,
0.3738

 0.2241, 0.0000,
1.0000

 207.7885, 0.2806,

 0.0000, 0.0000,

0.3706

0.0000

252.8101, 0.2827,
0.3678

■ 30.4305, 0.2502,
0.4118

■ 30.4305, 0.2502,
0.4118

■ 30.1798, 0.2510,
0.4224

■ 30.8036, 0.2511,
0.4011

■ 30.1436, 0.2511,
0.4241

■ 31.3278, 0.2539,
0.3904

■ 32.0224, 0.2587,
0.3799

■ 32.9028, 0.2652,
0.3698

■ 33.9830, 0.2731,
0.3601

■ 35.2752, 0.2823,
0.3510

■ 36.7910, 0.2925,
0.3426

■ 38.5408, 0.3033,
0.3349

■ 40.5346, 0.3145,
0.3280

Harmonies

Analogous

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



30.4305, 0.3208, 0.4661



30.4305, 0.2502, 0.4118



30.4305, 0.2003, 0.3290

Triad

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



30.4305, 0.2502, 0.4118



30.4305, 0.2257, 0.2122



30.4305, 0.4662, 0.3681

Complementary

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



30.4305, 0.2502, 0.4118



9.3918, 0.5427, 0.2877

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.



30.4305, 0.4368, 0.3118



30.4305, 0.2502, 0.4118



30.4305, 0.2888, 0.2271

Square

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



30.4305, 0.2502, 0.4118



30.4305, 0.1889, 0.2218



30.4305, 0.3680, 0.2623



30.4305, 0.4476, 0.4236

Rectangle

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



30.4305, 0.2502, 0.4118



30.4305, 0.1834, 0.2799



30.4305, 0.3680, 0.2623



30.4305, 0.4619, 0.3490

Sweetspot

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



30.4317, 0.2502, 0.4118



64.2330, 0.2833, 0.3502



29.9197, 0.3197, 0.5740



14.1390, 0.2801, 0.3531



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



30.4317, 0.2502, 0.4118



54.6445, 0.2517, 0.4259



21.7883, 0.2112, 0.2722



8.4949, 0.3024, 0.3355



22.1804, 0.2508, 0.4229



0.5478, 0.2411, 0.3880

Inverse Universe

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



9.3918, 0.5427, 0.2877



15.8701, 0.5840, 0.2991



10.8562, 0.5849, 0.3560



7.5763, 0.3243, 0.3226



6.4560, 0.5768, 0.2951



0.1657, 0.4857, 0.2449

Previews

White Background



This preview shows how the Yxy color 30.4305, 0.2502, 0.4118 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 30.4305, 0.2502, 0.4118 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 30.4305, 0.2502, 0.4118

Background



This preview shows how black text looks on a background with the Yxy color 30.4305, 0.2502, 0.4118.



This preview shows how white text looks on a background with the Yxy color 30.4305, 0.2502, 0.4118.

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

30.4305, 0.2502, 0.4118

Protanopia

30.0483, 0.3540, 0.3791

Deuteranopia

29.7734, 0.3516, 0.3441



Tritanopia

30.2386, 0.2291, 0.3048

Trichromacy



Original Color

30.4305, 0.2502, 0.4118



Protanomaly

28.6826, 0.2977, 0.3937



Deuteranomaly

28.0660, 0.2956, 0.3677



Tritanomaly

30.2892, 0.2354, 0.3414

Monochromacy



Original Color

30.4305, 0.2502, 0.4118



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

21.4918, 0.2727, 0.3592

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4305, 0.2502, 0.4118 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, 170, 127)` looks like.

```
.text, #text, p{  
    color:rgb(20, 170, 127)  
}
```

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, 170, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 170, 127) }
```

Border

The CSS property to change the border of an element to Yxy 30.4305, 0.2502, 0.4118 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, 170, 127) }
```

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

```
.border{ border-color:rgb(20, 170, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 170, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 170, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 170, 127);  
box-shadow:4px 4px 4px 4px rgb(20, 170,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4305, 0.2502, 0.4118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 170, 127) }
```

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

```
.background{ background-color: rgb(20, 170,  
127) }
```

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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