

Converting Colors

$Y_{xy}(31.2232, 0.2000, 0.4142)$

Have a look what the booklet for
Yxy(31.2232, 0.2000, 0.4142)
contains.

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Color

Yxy(34.0463, 0.2462, 0.4061)

Conversions

Conversions Part 1

Format	Color
Hex	01B389
RGB	1, 179, 137
RGB Percent	0%, 70%, 54%
CMY	0.9977, 0.2981, 0.4627
CMYK	1.00, 0.00, 0.23, 0.30
HSL	166°, 99%, 35%
HSV	166°, 100%, 70%
XYZ	20.6407, 34.0463, 29.1502
YIQ	120.9900, -92.6060, -50.7980

Conversions

Conversions Part 2

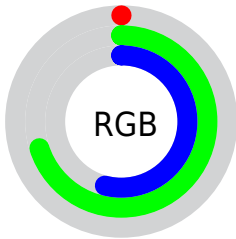
Format	Color
RYB	1, 102, 179
Decimal	111497
CIELab	65.00, -48.60, 10.75
CIELCh	65, 49.773, 167.524
Yxy	34.0463, 0.2462, 0.4061
Android (android.graphics.Color)	4278301577 (0xFF01B389)
YUV	120.9900, 7.8929, -105.2312
Hunter-Lab	58.3492, -38.9677, 11.2242

Details

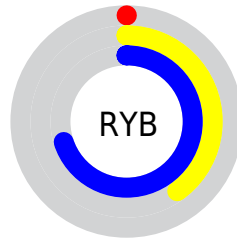
The Yxy color **34.0463, 0.2462, 0.4061** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **9.7673, 0.5960, 0.3060**, and the grayscale version is **19.0709, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.1415, 0.2599, 0.3906**, and **15.3554, 0.2521, 0.4276** is the 20% darker color. If you saturate the color by 10%, you get **34.0398, 0.2462, 0.4064**, and if you desaturate by 10%, it is **34.3005, 0.2457, 0.3975**.

Distribution



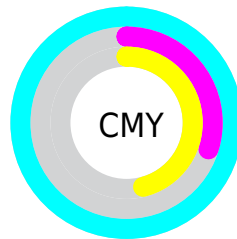
- Red (0%)
- Green (70%)
- Blue (54%)



- Red (0%)
- Yellow (40%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (30%)




- Cyan (100%)
- Magenta (30%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0463, 0.2462, 0.4061 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 34.0463, 0.2462, 0.4061 by changing the saturation by 10% instead.


 34.0463, 0.2462,
0.4061


 34.0463, 0.2462,
0.4061


 320.3385, 0.2818,
0.3638


 22.9292, 0.2365,
0.4180


 66.0057, 0.2597,
0.3898


 14.5412, 0.2236,
0.4343


 87.6167, 0.2646,
0.3839


 8.4980, 0.2055,
0.4576


 113.4945, 0.2687,
0.3791

 4.4153, 0.1788,
0.4936

 144.0234, 0.2721,
0.3751

 1.9085, 0.1167,
0.5681

 179.5879, 0.2751,
0.3716

 0.5535, 0.0000,
1.0000

 220.5723, 0.2776,

 0.0000, 0.0000,

0.3687

0.0000

267.3610, 0.2799,
0.3661

■ 34.0463, 0.2462,
0.4061

■ 34.0463, 0.2462,
0.4061

■ 34.0398, 0.2462,
0.4064

■ 34.3005, 0.2457,
0.3975

■ 34.6774, 0.2467,
0.3889

■ 35.2205, 0.2497,
0.3802

■ 35.9510, 0.2546,
0.3717

■ 36.8869, 0.2613,
0.3634

■ 38.0439, 0.2695,
0.3555

■ 39.4363, 0.2791,
0.3480

■ 41.0772, 0.2898,
0.3410

■ 42.9786, 0.3012,
0.3346

Harmonies

Analogous

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



34.0463, 0.3156, 0.4634



34.0463, 0.2462, 0.4061



34.0463, 0.1983, 0.3235

Triad

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



34.0463, 0.2462, 0.4061



34.0463, 0.2295, 0.2129



34.0463, 0.4658, 0.3720

Complementary

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



34.0463, 0.2462, 0.4061



9.7673, 0.5960, 0.3060

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.



34.0463, 0.4398, 0.3157



34.0463, 0.2462, 0.4061



34.0463, 0.2941, 0.2292

Square

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



34.0463, 0.2462, 0.4061



34.0463, 0.1909, 0.2206



34.0463, 0.3732, 0.2656



34.0463, 0.4443, 0.4268

Rectangle

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



34.0463, 0.2462, 0.4061



34.0463, 0.1829, 0.2758



34.0463, 0.3732, 0.2656



34.0463, 0.4626, 0.3530

Sweetspot

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



34.0476, 0.2462, 0.4061



70.4089, 0.2783, 0.3486



32.8013, 0.3104, 0.5915



15.3605, 0.2742, 0.3517



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.



34.0476, 0.2462, 0.4061



60.9328, 0.2466, 0.4078



20.4176, 0.2019, 0.2465



9.5967, 0.3016, 0.3344



24.0665, 0.2459, 0.4054



0.7656, 0.2393, 0.3815

Inverse Universe

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



9.7673, 0.5960, 0.3060



17.4364, 0.6008, 0.3083



11.4759, 0.6065, 0.3562



8.5370, 0.3251, 0.3237



6.8998, 0.5941, 0.3047



0.2262, 0.5159, 0.2616

Previews

White Background



This preview shows how the Yxy color 34.0463, 0.2462, 0.4061 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 34.0463, 0.2462, 0.4061 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 34.0463, 0.2462, 0.4061

Background



This preview shows how black text looks on a background with the Yxy color 34.0463, 0.2462, 0.4061.

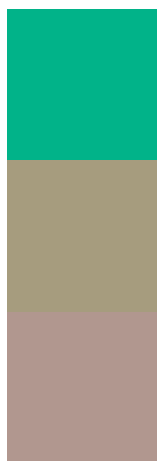


This preview shows how white text looks on a background with the Yxy color 34.0463, 0.2462, 0.4061.

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

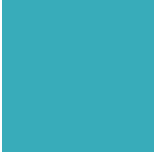
34.0528, 0.2462, 0.4061

Protanopia

33.3903, 0.3514, 0.3739

Deuteranopia

33.4635, 0.3476, 0.3405



Tritanopia

33.8910, 0.2278, 0.3059

Trichromacy



Original Color

34.0528, 0.2462, 0.4061



Protanomaly

31.2268, 0.2892, 0.3884



Deuteranomaly

30.9235, 0.2860, 0.3631



Tritanomaly

33.8622, 0.2328, 0.3408

Monochromacy



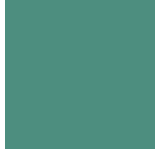
Original Color

34.0528, 0.2462, 0.4061



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

22.4561, 0.2648, 0.3589

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0463, 0.2462, 0.4061 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(1, 179, 137)` looks like.

```
.text, #text, p{  
    color:rgb(1, 179, 137)  
}
```

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(1, 179, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 179, 137) }
```

Border

The CSS property to change the border of an element to Yxy 34.0463, 0.2462, 0.4061 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(1, 179, 137) }
```

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

```
.border{ border-color:rgb(1, 179, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 179, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 179, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 179, 137);  
box-shadow:4px 4px 4px 4px rgb(1, 179,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0463, 0.2462, 0.4061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 179, 137) }
```

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

```
.background{ background-color: rgb(1, 179,  
137) }
```

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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