

Converting Colors

$Yxy(34.7507, 0.2598, 0.4485)$

Have a look what the booklet for
Yxy(34.7507, 0.2598, 0.4485)
contains.

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Color

Yxy(34.8594, 0.2602, 0.4497)

Conversions

Conversions Part 1

Format	Color
Hex	11B675
RGB	17, 182, 117
RGB Percent	7%, 71%, 46%
CMY	0.9330, 0.2863, 0.5413
CMYK	0.91, 0.00, 0.36, 0.29
HSL	156°, 83%, 39%
HSV	156°, 91%, 71%
XYZ	20.1699, 34.8594, 22.4877
YIQ	125.2550, -77.4750, -55.1950

Conversions

Conversions Part 2

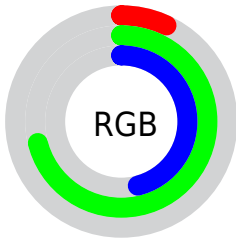
Format	Color
RYB	17, 120, 182
Decimal	1160821
CIELab	65.64, -53.66, 22.54
CIELCh	66, 58.198, 157.217
Yxy	34.8594, 0.2602, 0.4497
Android (android.graphics.Color)	4279350901 (0xFF11B675)
YUV	125.2550, -4.0697, -94.9396
Hunter-Lab	59.0418, -42.3439, 18.7471

Details

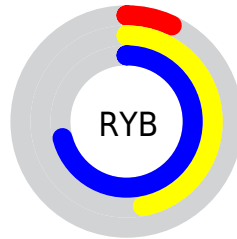
The Yxy color **34.8594, 0.2602, 0.4497** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **10.9600, 0.5128, 0.2674**, and the grayscale version is **20.6412, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.2502, 0.2721, 0.4239**, and **15.8557, 0.2681, 0.4851** is the 20% darker color. If you saturate the color by 10%, you get **34.5880, 0.2621, 0.4636**, and if you desaturate by 10%, it is **35.2785, 0.2597, 0.4346**.

Distribution



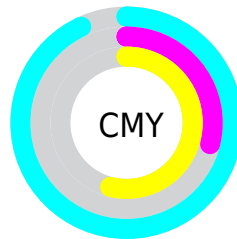
- Red (7%)
- Green (71%)
- Blue (46%)



- Red (7%)
- Yellow (47%)
- Blue (71%)



- Cyan (91%)
- Magenta (0%)
- Yellow (36%)
- Black (29%)





- Cyan (93%)
- Magenta (29%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.8594, 0.2602, 0.4497 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 34.8594, 0.2602, 0.4497 by changing the saturation by 10% instead.


 34.8594, 0.2602,
0.4497


 34.8594, 0.2602,
0.4497


323.9473, 0.2898,
0.3821

 23.5546, 0.2516,
0.4693


 67.2679, 0.2718,
0.4232


 15.0035, 0.2397,
0.4961


 89.1404, 0.2759,
0.4139

 8.8219, 0.2223,
0.5350


 115.3042, 0.2793,
0.4062

 4.6252, 0.1950,
0.5956

 146.1438, 0.2821,
0.3998

 2.0291, 0.1255,
0.7587

 182.0435, 0.2844,
0.3944

 0.6243, 0.0000,
1.0000

 223.3877, 0.2865,

 0.0000, 0.0000,

0.3897

0.0000

270.5608, 0.2882,
0.3857

■ 34.8594, 0.2602,
0.4497

■ 34.8594, 0.2602,
0.4497

■ 34.5880, 0.2621,
0.4636

■ 35.2785, 0.2597,
0.4346

■ 35.8749, 0.2611,
0.4193

■ 36.6725, 0.2646,
0.4042

■ 37.6906, 0.2697,
0.3896

■ 38.9461, 0.2764,
0.3756

■ 40.4541, 0.2843,
0.3625

■ 42.2285, 0.2931,
0.3505

■ 44.2821, 0.3024,
0.3395

■ 46.6271, 0.3121,
0.3296

Harmonies

Analogous

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



34.8594, 0.3427, 0.4947



34.8594, 0.2602, 0.4497



34.8594, 0.1967, 0.3543

Triad

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



34.8594, 0.2602, 0.4497



34.8594, 0.1996, 0.1975



34.8594, 0.4856, 0.3525

Complementary

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



34.8594, 0.2602, 0.4497



10.9600, 0.5128, 0.2674

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.



34.8594, 0.4375, 0.2918



34.8594, 0.2602, 0.4497



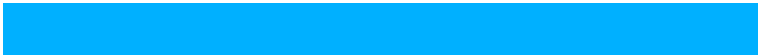
34.8594, 0.2623, 0.2074

Square

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



34.8594, 0.2602, 0.4497



34.8594, 0.1677, 0.2151



34.8594, 0.3502, 0.2407



34.8594, 0.4765, 0.4161

Rectangle

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



34.8594, 0.2602, 0.4497



34.8594, 0.1724, 0.2924



34.8594, 0.3502, 0.2407



34.8594, 0.4758, 0.3317

Sweetspot

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



34.8608, 0.2602, 0.4497



74.3017, 0.2870, 0.3586



35.3392, 0.3290, 0.5698



16.1826, 0.2841, 0.3628



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.



34.8608, 0.2602, 0.4497



62.6580, 0.2628, 0.4660



30.5926, 0.2183, 0.3005



10.1490, 0.3036, 0.3382



24.4382, 0.2616, 0.4619



0.8733, 0.2510, 0.4235

Inverse Universe

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



10.9600, 0.5128, 0.2674



18.8297, 0.5440, 0.2771



11.1064, 0.6105, 0.3398



9.0693, 0.3228, 0.3200



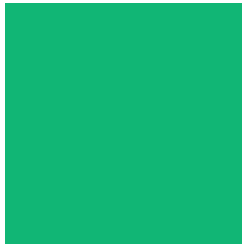
7.3636, 0.5369, 0.2731



0.2719, 0.4683, 0.2353

Previews

White Background



This preview shows how the Yxy color 34.8594, 0.2602, 0.4497 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 34.8594, 0.2602, 0.4497 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 34.8594, 0.2602, 0.4497

Background



This preview shows how black text looks on a background with the Yxy color 34.8594, 0.2602, 0.4497.

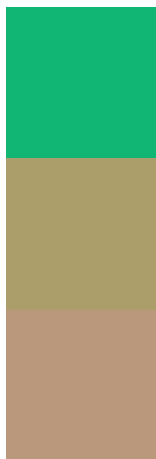


This preview shows how white text looks on a background with the Yxy color 34.8594, 0.2602, 0.4497.

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

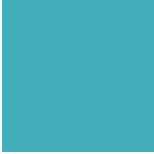
34.8594, 0.2602, 0.4497

Protanopia

34.1732, 0.3740, 0.4035

Deuteranopia

34.2260, 0.3752, 0.3683



Tritanopia

34.6332, 0.2313, 0.3062

Trichromacy



Original Color

34.8594, 0.2602, 0.4497



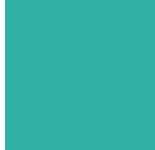
Protanomaly

32.4300, 0.3116, 0.4254



Deuteranomaly

31.8599, 0.3121, 0.4000



Tritanomaly

34.2877, 0.2395, 0.3530

Monochromacy



Original Color

34.8594, 0.2602, 0.4497



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

23.9413, 0.2769, 0.3760

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8594, 0.2602, 0.4497 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(17, 182, 117)` looks like.

```
.text, #text, p{  
    color:rgb(17, 182, 117)  
}
```

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(17, 182, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 182, 117) }
```

Border

The CSS property to change the border of an element to Yxy 34.8594, 0.2602, 0.4497 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(17, 182, 117) }
```

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

```
.border{ border-color:rgb(17, 182, 117) }
```

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

Here you see how a box with a 4 pixel rgb(17, 182, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 182, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 182, 117);  
box-shadow:4px 4px 4px 4px rgb(17, 182,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 34.8594, 0.2602, 0.4497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 182, 117) }
```

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

```
.background{ background-color: rgb(17, 182,  
117) }
```

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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