

# Converting Colors

$Yxy(24.1662, 0.2553, 0.4195)$

Have a look what the booklet for  
Yxy(24.1662, 0.2553, 0.4195)  
contains.

<b>Yxy(24.1551, 0.2555, 0.4202)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(24.1551, 0.2555, 0.4202)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1C996E
RGB	28, 153, 110
RGB Percent	11%, 60%, 43%
CMY	0.8897, 0.4000, 0.5686
CMYK	0.82, 0.00, 0.28, 0.40
HSL	159°, 69%, 36%
HSV	159°, 82%, 60%
XYZ	14.6874, 24.1551, 18.6423
YIQ	110.7230, -60.6970, -39.8730

# Conversions

## Conversions Part 2

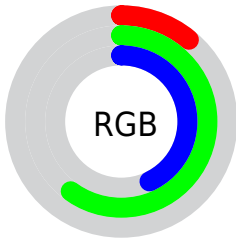
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	28, 103, 153
Decimal	1874286
CIE <sub>Lab</sub>	56.24, -43.08, 13.50
CIE <sub>LCh</sub>	56, 45.146, 162.600
Yxy	24.1551, 0.2555, 0.4202
Android (android.graphics.Color)	4280064366 (0xFF1C996E)
YUV	110.7230, -0.3564, -72.5481
Hunter-Lab	49.1478, -32.6657, 11.9141

# Details

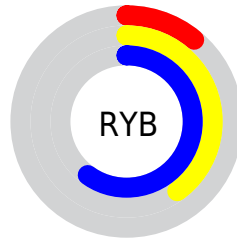
The Yxy color **24.1551, 0.2555, 0.4202** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **8.0649, 0.4978, 0.2732**, and the grayscale version is **15.8372, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.1533, 0.2682, 0.3979**, and **9.6552, 0.2592, 0.4531** is the 20% darker color. If you saturate the color by 10%, you get **23.8803, 0.2556, 0.4331**, and if you desaturate by 10%, it is **24.5484, 0.2574, 0.4072**.

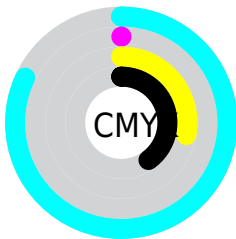
# Distribution



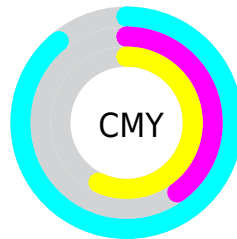
- Red (11%)
- Green (60%)
- Blue (43%)



- Red (11%)
- Yellow (40%)
- Blue (60%)



- Cyan (82%)
- Magenta (0%)
- Yellow (28%)
- Black (40%)




- Cyan (89%)
- Magenta (40%)
- Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 24.1551, 0.2555, 0.4202 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 24.1551, 0.2555, 0.4202 by changing the saturation by 10% instead.





 24.1551, 0.2555,  
0.4202


 24.1551, 0.2555,  
0.4202


273.6037, 0.2883,  
0.3671


 15.4487, 0.2455,  
0.4368


 50.2832, 0.2686,  
0.3987

 9.1349, 0.2315,  
0.4605


 68.4737, 0.2732,  
0.3913


 4.8293, 0.2102,  
0.4971

 90.5943, 0.2769,  
0.3854

 2.1474, 0.1721,  
0.5622

 117.0295, 0.2800,  
0.3804

 0.6911, 0.0000,  
1.0000

 148.1636, 0.2825,  
0.3763

 0.0000, 0.0000,  
0.0000

 184.3811, 0.2847,

0.3728

226.0663, 0.2867,  
0.3697

■ 24.1551, 0.2555,  
0.4202

■ 24.1551, 0.2555,  
0.4202

■ 23.8803, 0.2556,  
0.4331

■ 24.5484, 0.2574,  
0.4072

■ 23.7079, 0.2566,  
0.4439

■ 25.0721, 0.2611,  
0.3943

■ 25.7397, 0.2666,  
0.3819

■ 26.5621, 0.2736,  
0.3700

■ 27.5493, 0.2818,  
0.3588

■ 28.7104, 0.2910,  
0.3484

■ 30.0536, 0.3008,  
0.3389

■ 31.5870, 0.3110,  
0.3303

■ 33.3177, 0.3215,  
0.3226

# Harmonies

## Analogous

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



24.1551, 0.3279, 0.4703



24.1551, 0.2555, 0.4202



24.1551, 0.2025, 0.3368

# Triad

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



24.1551, 0.2555, 0.4202



24.1551, 0.2199, 0.2108



24.1551, 0.4674, 0.3628

# Complementary

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



24.1551, 0.2555, 0.4202



8.0649, 0.4978, 0.2732

# 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.



24.1551, 0.4331, 0.3064



24.1551, 0.2555, 0.4202



24.1551, 0.2814, 0.2236

# Square

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



24.1551, 0.2555, 0.4202



24.1551, 0.1855, 0.2229



24.1551, 0.3609, 0.2574



24.1551, 0.4528, 0.4194



# Rectangle

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



24.1551, 0.2555, 0.4202



24.1551, 0.1836, 0.2855



24.1551, 0.3609, 0.2574



24.1551, 0.4614, 0.3436

# Sweetspot

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



24.1561, 0.2555, 0.4202



50.7926, 0.2883, 0.3513



24.2371, 0.3276, 0.5568



11.0641, 0.2853, 0.3547



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290



# Same Dimension

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



24.1561, 0.2555, 0.4202



42.4869, 0.2569, 0.4437



19.6723, 0.2188, 0.2909



6.9904, 0.3032, 0.3368



19.6015, 0.2564, 0.4430



0.2998, 0.2409, 0.3871



# Inverse Universe

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



8.0649, 0.4978, 0.2732



12.6708, 0.5553, 0.2847



8.8780, 0.5675, 0.3509



6.2560, 0.3232, 0.3214



5.8129, 0.5544, 0.2828



0.0933, 0.4503, 0.2254



# Previews

## White Background



This preview shows how the Yxy color 24.1551, 0.2555, 0.4202 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 24.1551, 0.2555, 0.4202 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

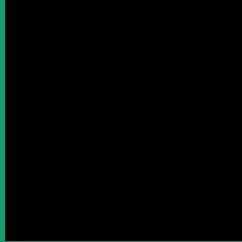
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 24.1551, 0.2555, 0.4202**

## **Background**



This preview shows how black text looks on a background with the Yxy color 24.1551, 0.2555, 0.4202.



This preview shows how white text looks on a background with the Yxy color 24.1551, 0.2555, 0.4202.

# 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

24.1551, 0.2555, 0.4202

### Protanopia

23.8294, 0.3594, 0.3858

### Deuteranopia

23.7106, 0.3577, 0.3522



## Tritanopia

24.2114, 0.2318, 0.3063

# Trichromacy



## Original Color

24.1551, 0.2555, 0.4202



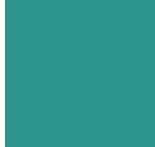
## Protanomaly

22.8159, 0.3062, 0.4018



## Deuteranomaly

22.5574, 0.3051, 0.3771



## Tritanomaly

23.9988, 0.2396, 0.3446

# Monochromacy



## Original Color

24.1551, 0.2555, 0.4202



## Achromatopsia

15.8961, 0.3127, 0.3290



## Achromatomaly

17.8187, 0.2784, 0.3615

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 24.1551, 0.2555, 0.4202 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(28, 153, 110)` looks like.

```
.text, #text, p{  
    color:rgb(28, 153, 110)  
}
```

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(28, 153, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 153, 110) }
```

## Border

The CSS property to change the border of an element to Yxy 24.1551, 0.2555, 0.4202 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(28, 153, 110) }
```

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

```
.border{ border-color:rgb(28, 153, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 153, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 153, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 153, 110);  
box-shadow:4px 4px 4px 4px rgb(28, 153,  
110) }
```



# Background

The CSS property to change the background color of an element to Yxy 24.1551, 0.2555, 0.4202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 153, 110) }
```

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

```
.background{ background-color: rgb(28, 153,  
110) }
```

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](#).

# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor