

# Converting Colors

$Yxy(22.7597, 0.2599, 0.4558)$

Have a look what the booklet for  
Yxy(22.7597, 0.2599, 0.4558)  
contains.

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# Color

**Yxy(22.6208, 0.2595, 0.4540)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	00965E
RGB	0, 150, 94
RGB Percent	0%, 59%, 37%
CMY	0.9987, 0.4118, 0.6314
CMYK	1.00, 0.00, 0.37, 0.41
HSL	158°, 100%, 29%
HSV	158°, 100%, 59%
XYZ	12.9297, 22.6208, 14.2750
YIQ	98.7660, -71.4240, -49.2160

# Conversions

## Conversions Part 2

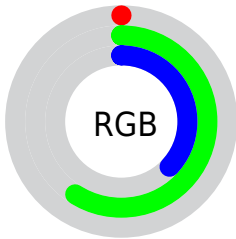
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 92, 150
Decimal	38494
CIELab	54.68, -47.50, 20.26
CIELCh	55, 51.643, 156.902
Yxy	22.6208, 0.2595, 0.4540
Android (android.graphics.Color)	4278228574 (0xFF00965E)
YUV	98.7660, -2.3496, -86.6178
Hunter-Lab	47.5613, -34.7064, 15.4977

# Details

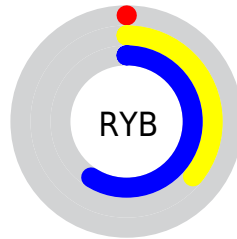
The Yxy color **22.6208, 0.2595, 0.4540** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **6.7793, 0.5436, 0.2770**, and the grayscale version is **12.4601, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.6383, 0.2723, 0.4227**, and **8.9406, 0.2715, 0.4973** is the 20% darker color. If you saturate the color by 10%, you get **22.6174, 0.2595, 0.4543**, and if you desaturate by 10%, it is **22.8284, 0.2581, 0.4400**.

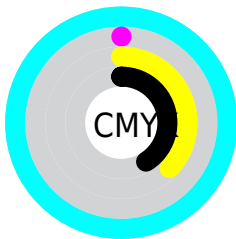
# Distribution



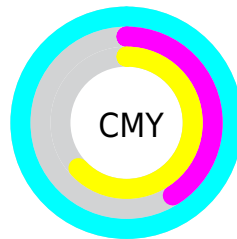
- Red (0%)
- Green (59%)
- Blue (37%)



- Red (0%)
- Yellow (36%)
- Blue (59%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (41%)




- Cyan (100%)
- Magenta (41%)
- Yellow (63%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 22.6208, 0.2595, 0.4540 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 22.6208, 0.2595, 0.4540 by changing the saturation by 10% instead.





 22.6208, 0.2595,  
0.4540


 22.6208, 0.2595,  
0.4540


265.7713, 0.2915,  
0.3795


 14.3138, 0.2490,  
0.4781


 47.7699, 0.2727,  
0.4233

 8.3392, 0.2337,  
0.5131


 65.3808, 0.2772,  
0.4129

 4.3128, 0.2093,  
0.5682

 86.8617, 0.2808,  
0.4046

 1.8500, 0.1488,  
0.7148

 112.5972, 0.2837,  
0.3978

 0.5181, 0.0000,  
1.0000

 142.9714, 0.2861,  
0.3921

 0.0000, 0.0000,  
0.0000

 178.3689, 0.2882,

0.3873

219.1741, 0.2899,  
0.3831

■ 22.6208, 0.2595,  
0.4540

■ 22.6208, 0.2595,  
0.4540

■ 22.6174, 0.2595,  
0.4543

■ 22.8284, 0.2581,  
0.4400

■ 23.1169, 0.2582,  
0.4259

■ 23.5208, 0.2601,  
0.4117

■ 24.0536, 0.2640,  
0.3977

■ 24.7269, 0.2695,  
0.3842

■ 25.5511, 0.2765,  
0.3713

■ 26.5355, 0.2846,  
0.3592

■ 27.6885, 0.2936,  
0.3481

■ 29.0181, 0.3031,  
0.3380

# Harmonies

## Analogous

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



22.6208, 0.3438, 0.4992



22.6208, 0.2595, 0.4540



22.6208, 0.1946, 0.3558

# Triad

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



22.6208, 0.2595, 0.4540



22.6208, 0.1968, 0.1949



22.6208, 0.4895, 0.3517

# Complementary

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



22.6208, 0.2595, 0.4540



6.7793, 0.5436, 0.2770

# 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.



22.6208, 0.4398, 0.2902



22.6208, 0.2595, 0.4540



22.6208, 0.2603, 0.2047

# Square

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



22.6208, 0.2595, 0.4540



22.6208, 0.1646, 0.2129



22.6208, 0.3499, 0.2384



22.6208, 0.4803, 0.4166



# Rectangle

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



22.6208, 0.2595, 0.4540



22.6208, 0.1698, 0.2920



22.6208, 0.3499, 0.2384



22.6208, 0.4793, 0.3306

# Sweetspot

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



22.6217, 0.2595, 0.4540



46.6809, 0.2839, 0.3602



22.7026, 0.3235, 0.5812



10.1933, 0.2808, 0.3647



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290



# Same Dimension

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



22.6217, 0.2595, 0.4540



39.8824, 0.2603, 0.4569



18.8518, 0.2146, 0.2925



6.5258, 0.3037, 0.3374



18.7659, 0.2593, 0.4533



0.2354, 0.2419, 0.3909



# Inverse Universe

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



6.7793, 0.5436, 0.2770



11.9173, 0.5491, 0.2798



6.9101, 0.6279, 0.3392



5.8491, 0.3227, 0.3207



5.6213, 0.5424, 0.2761



0.0742, 0.4385, 0.2189



# Previews

## White Background



This preview shows how the Yxy color 22.6208, 0.2595, 0.4540 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

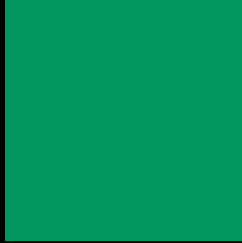
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 22.6208, 0.2595, 0.4540 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 22.6208, 0.2595, 0.4540**

## **Background**



This preview shows how black text looks on a background with the Yxy color 22.6208, 0.2595, 0.4540.



This preview shows how white text looks on a background with the Yxy color 22.6208, 0.2595, 0.4540.

# 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

22.6208, 0.2595, 0.4540

### Protanopia

22.2999, 0.3756, 0.4057

### Deuteranopia

22.3596, 0.3776, 0.3708



## Tritanopia

22.7349, 0.2317, 0.3076

# Trichromacy



## Original Color

22.6208, 0.2595, 0.4540



## Protanomaly

20.7862, 0.3090, 0.4292



## Deuteranomaly

20.4734, 0.3082, 0.4029



## Tritanomaly

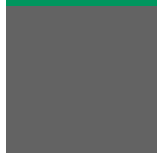
22.5638, 0.2395, 0.3578

# Monochromacy



## Original Color

22.6208, 0.2595, 0.4540



## Achromatopsia

12.4772, 0.3127, 0.3290



## Achromatomaly

14.8767, 0.2727, 0.3797

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 22.6208, 0.2595, 0.4540 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, 150, 94)` looks like.

```
.text, #text, p{  
    color:rgb(0, 150, 94)  
}
```

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, 150, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 94) }
```

## Border

The CSS property to change the border of an element to Yxy 22.6208, 0.2595, 0.4540 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, 150, 94) }
```

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

```
.border{ border-color:rgb(0, 150, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 150, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 94);  
box-shadow:4px 4px 4px 4px rgb(0, 150, 94)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 22.6208, 0.2595, 0.4540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 150, 94) }
```

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

```
.background{ background-color: rgb(0, 150,  
94) }
```

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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