

# Converting Colors

$Yxy(24.5473, 0.2831, 0.4558)$

Have a look what the booklet for  
Yxy(24.5473, 0.2831, 0.4558)  
contains.

<b>Yxy(24.5473, 0.2831, 0.4558)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(24.5473, 0.2831, 0.4558)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3D995C
RGB	61, 153, 92
RGB Percent	24%, 60%, 36%
CMY	0.7609, 0.4000, 0.6392
CMYK	0.60, 0.00, 0.40, 0.40
HSL	140°, 43%, 42%
HSV	140°, 60%, 60%
XYZ	15.2465, 24.5473, 14.0616
YIQ	118.5380, -35.2510, -38.4750

# Conversions

## Conversions Part 2

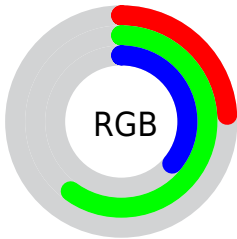
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	61, 130, 153
Decimal	4036956
CIE <sub>Lab</sub>	56.63, -41.39, 24.13
CIE <sub>LCh</sub>	57, 47.916, 149.757
Yxy	24.5473, 0.2831, 0.4558
Android (android.graphics.Color)	4282227036 (0xFF3D995C)
YUV	118.5380, -13.0832, -50.4608
Hunter-Lab	49.5452, -31.7747, 17.8543

# Details

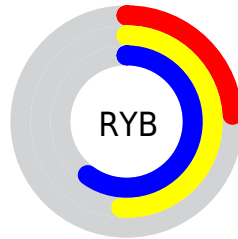
The Yxy color **24.5473, 0.2831, 0.4558** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.5118, 0.3701, 0.2326**, and the grayscale version is **18.3432, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.8768, 0.2912, 0.4250**, and **9.4968, 0.2746, 0.5087** is the 20% darker color. If you saturate the color by 10%, you get **23.9647, 0.2814, 0.4809**, and if you desaturate by 10%, it is **25.2942, 0.2862, 0.4309**.

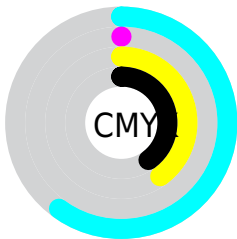
# Distribution



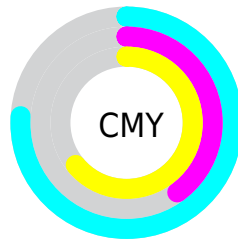
- Red (24%)
- Green (60%)
- Blue (36%)



- Red (24%)
- Yellow (51%)
- Blue (60%)



- Cyan (60%)
- Magenta (0%)
- Yellow (40%)
- Black (40%)




- Cyan (76%)
- Magenta (40%)
- Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 24.5473, 0.2831, 0.4558 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 24.5473, 0.2831, 0.4558 by changing the saturation by 10% instead.





 24.5473, 0.2831,  
0.4558


 24.5473, 0.2831,  
0.4558


275.5759, 0.3019,  
0.3812


 15.7401, 0.2765,  
0.4792


 50.9219, 0.2912,  
0.4254


 9.3404, 0.2663,  
0.5128


 69.2580, 0.2938,  
0.4151


 4.9639, 0.2494,  
0.5644

 91.5393, 0.2959,  
0.4067

 2.2261, 0.2253,  
0.6780

 118.1500, 0.2975,  
0.3998

 0.7342, 0.0000,  
1.0000

 149.4746, 0.2989,  
0.3940

 0.0000, 0.0000,  
0.0000

185.8976, 0.3001,

0.3891

227.8032, 0.3010,  
0.3849

■ 24.5473, 0.2831,  
0.4558

■ 24.5473, 0.2831,  
0.4558

■ 23.9647, 0.2814,  
0.4809

■ 25.2942, 0.2862,  
0.4309

■ 23.5302, 0.2813,  
0.5053

■ 26.2140, 0.2904,  
0.4070

■ 23.2296, 0.2829,  
0.5279

■ 27.3181, 0.2954,  
0.3847

■ 23.0285, 0.2855,  
0.5477

■ 28.6162, 0.3009,  
0.3642

■ 30.1173, 0.3067,  
0.3457

■ 31.8298, 0.3126,  
0.3292

■ 33.7615, 0.3185,  
0.3147

■ 35.9201, 0.3241,  
0.3019

■ 38.3126, 0.3295,  
0.2907

# Harmonies

## Analogous

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



24.5473, 0.3615, 0.4821



24.5473, 0.2831, 0.4558



24.5473, 0.2170, 0.3758

# Triad

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



24.5473, 0.2831, 0.4558



24.5473, 0.1965, 0.2072



24.5473, 0.4667, 0.3378

# Complementary

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



24.5473, 0.2831, 0.4558



11.5118, 0.3701, 0.2326

# 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.



24.5473, 0.4103, 0.2816



24.5473, 0.2831, 0.4558



24.5473, 0.2488, 0.2102

# Square

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



24.5473, 0.2831, 0.4558



24.5473, 0.1733, 0.2319



24.5473, 0.3264, 0.2366



24.5473, 0.4724, 0.3977



# Rectangle

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



24.5473, 0.2831, 0.4558



24.5473, 0.1884, 0.3160



24.5473, 0.3264, 0.2366



24.5473, 0.4530, 0.3183

# Sweetspot

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



24.5483, 0.2831, 0.4558



51.6996, 0.3020, 0.3607



27.2824, 0.3614, 0.4855



11.2659, 0.3004, 0.3659



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.



24.5483, 0.2831, 0.4558



42.6320, 0.2812, 0.4890



25.6008, 0.2504, 0.3586



6.9583, 0.3073, 0.3441



19.0370, 0.2851, 0.5464



0.2909, 0.2624, 0.4646



# Inverse Universe

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



11.5118, 0.3701, 0.2326



17.1485, 0.3886, 0.2186



10.6336, 0.4626, 0.3051



6.2882, 0.3186, 0.3144



6.3867, 0.4260, 0.2120



0.1022, 0.3711, 0.1818



# Previews

## White Background



This preview shows how the Yxy color 24.5473, 0.2831, 0.4558 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 24.5473, 0.2831, 0.4558 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 24.5473, 0.2831, 0.4558**

## **Background**



This preview shows how black text looks on a background with the Yxy color 24.5473, 0.2831, 0.4558.



This preview shows how white text looks on a background with the Yxy color 24.5473, 0.2831, 0.4558.

# 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

24.5473, 0.2831, 0.4558

### Protanopia

24.1869, 0.3811, 0.4127

### Deuteranopia

24.0372, 0.3877, 0.3803



## Tritanopia

24.3906, 0.2456, 0.3068

# Trichromacy



**Original Color**

24.5473, 0.2831, 0.4558

**Protanomaly**

23.7636, 0.3374, 0.4302

**Deuteranomaly**

23.2883, 0.3412, 0.4082

**Tritanomaly**

24.2897, 0.2591, 0.3582

# Monochromacy



**Original Color**

24.5473, 0.2831, 0.4558

**Achromatopsia**

18.4475, 0.3127, 0.3290

**Achromatomaly**

19.9334, 0.2984, 0.3738

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 24.5473, 0.2831, 0.4558 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(61, 153, 92)` looks like.

```
.text, #text, p{  
    color:rgb(61, 153, 92)  
}
```

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(61, 153, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 153, 92) }
```

## Border

The CSS property to change the border of an element to Yxy 24.5473, 0.2831, 0.4558 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(61, 153, 92) }
```

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

```
.border{ border-color:rgb(61, 153, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 153, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 153, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 153, 92);  
box-shadow:4px 4px 4px 4px rgb(61, 153,  
92) }
```



# Background

The CSS property to change the background color of an element to Yxy 24.5473, 0.2831, 0.4558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 153, 92) }
```

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

```
.background{ background-color: rgb(61, 153,  
92) }
```

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