

Converting Colors

$Y_{xy}(24.0303, 0.3288, 0.5532)$

Have a look what the booklet for
Yxy(24.0303, 0.3288, 0.5532)
contains.

Yxy(24.0061, 0.3292, 0.5531)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(24.0061, 0.3292, 0.5531)

Conversions

Conversions Part 1

Format	Color
Hex	4A981E
RGB	74, 152, 30
RGB Percent	29%, 60%, 12%
CMY	0.7097, 0.4039, 0.8824
CMYK	0.51, 0.00, 0.80, 0.40
HSL	98°, 67%, 36%
HSV	98°, 80%, 60%
XYZ	14.2882, 24.0061, 5.1085
YIQ	114.7700, -7.3260, -54.4780

Conversions

Conversions Part 2

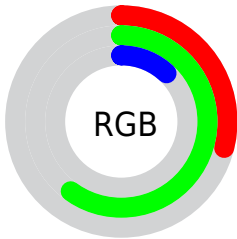
Format	Color
R_{YB}	30, 152, 108
Decimal	4888606
CIE _{Lab}	56.09, -44.89, 52.17
CIE _{LCh}	56, 68.822, 130.714
Yxy	24.0061, 0.3292, 0.5531
Android (android.graphics.Color)	4283078686 (0xFF4A981E)
YUV	114.7700, -41.7916, -35.7553
Hunter-Lab	48.9960, -33.6889, 28.1154

Details

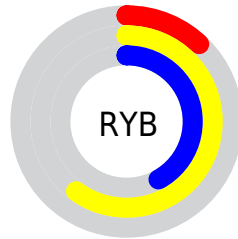
The Yxy color **24.0061, 0.3292, 0.5531** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **6.3819, 0.2514, 0.1303**, and the grayscale version is **17.2042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.0274, 0.3326, 0.5018**, and **9.1143, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **23.5909, 0.3254, 0.5708**, and if you desaturate by 10%, it is **24.5204, 0.3314, 0.5298**.

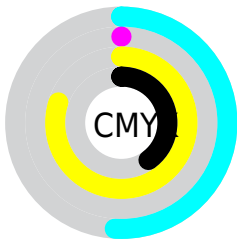
Distribution



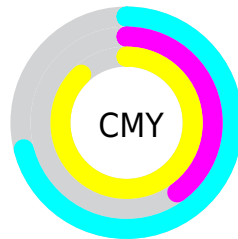
- Red (29%)
- Green (60%)
- Blue (12%)



- Red (12%)
- Yellow (60%)
- Blue (42%)



- Cyan (51%)
- Magenta (0%)
- Yellow (80%)
- Black (40%)





- Cyan (71%)
- Magenta (40%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.0061, 0.3292, 0.5531 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 24.0061, 0.3292, 0.5531 by changing the saturation by 10% instead.


 24.0061, 0.3292,
0.5531


 24.0061, 0.3292,
0.5531


272.8513, 0.3293,
0.4229


 15.3381, 0.3233,
0.5901


 50.0402, 0.3328,
0.5018

 9.0570, 0.3111,
0.6392


 68.1750, 0.3329,
0.4837


 4.7784, 0.2883,
0.7117

 90.2344, 0.3326,
0.4688

 2.1178, 0.2201,
0.7799

 116.6025, 0.3320,
0.4565

 0.6746, 0.0000,
1.0000

 147.6639, 0.3314,
0.4461

 0.0000, 0.0000,
0.0000

 183.8029, 0.3307,

0.4372

225.4039, 0.3300,
0.4296

■ 24.0061, 0.3292,
0.5531

■ 24.0061, 0.3292,
0.5531

■ 23.5909, 0.3254,
0.5708

■ 24.5204, 0.3314,
0.5298

■ 23.2646, 0.3209,
0.5834

■ 25.1380, 0.3319,
0.5022

■ 25.8664, 0.3309,
0.4720

■ 26.7115, 0.3286,
0.4410

■ 27.6786, 0.3253,
0.4104

■ 28.7728, 0.3215,
0.3813

■ 29.9988, 0.3172,
0.3543

■ 31.3611, 0.3128,
0.3296

■ 32.8639, 0.3084,
0.3074

Harmonies

Analogous

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



24.0061, 0.4316, 0.5152



24.0061, 0.3292, 0.5531



24.0061, 0.2278, 0.4844

Triad

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



24.0061, 0.3292, 0.5531



24.0061, 0.1351, 0.1786



24.0061, 0.4900, 0.2856

Complementary

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



24.0061, 0.3292, 0.5531



6.3819, 0.2514, 0.1303

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.



24.0061, 0.3748, 0.2231



24.0061, 0.3292, 0.5531



24.0061, 0.1764, 0.1645

Square

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



24.0061, 0.3292, 0.5531



24.0061, 0.1276, 0.2329



24.0061, 0.2572, 0.1805



24.0061, 0.5411, 0.3574

Rectangle

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



24.0061, 0.3292, 0.5531



24.0061, 0.1752, 0.3906



24.0061, 0.2572, 0.1805



24.0061, 0.4560, 0.2633

Sweetspot

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



24.0071, 0.3292, 0.5531



49.9472, 0.3231, 0.3933



17.3402, 0.4686, 0.4400



11.2092, 0.3244, 0.4030



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.



24.0071, 0.3292, 0.5531



41.1867, 0.3216, 0.5802



22.9318, 0.2949, 0.5514



7.0287, 0.3168, 0.3516



19.5231, 0.3214, 0.5830



0.3112, 0.3547, 0.5565

Inverse Universe

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



6.3819, 0.2514, 0.1303



8.7864, 0.2352, 0.1085



9.3739, 0.3479, 0.1828



6.2121, 0.3083, 0.3067



4.0563, 0.2338, 0.1062



0.0810, 0.2734, 0.1280

Previews

White Background



This preview shows how the Yxy color 24.0061, 0.3292, 0.5531 looks on a white background.

Color Contrast Check

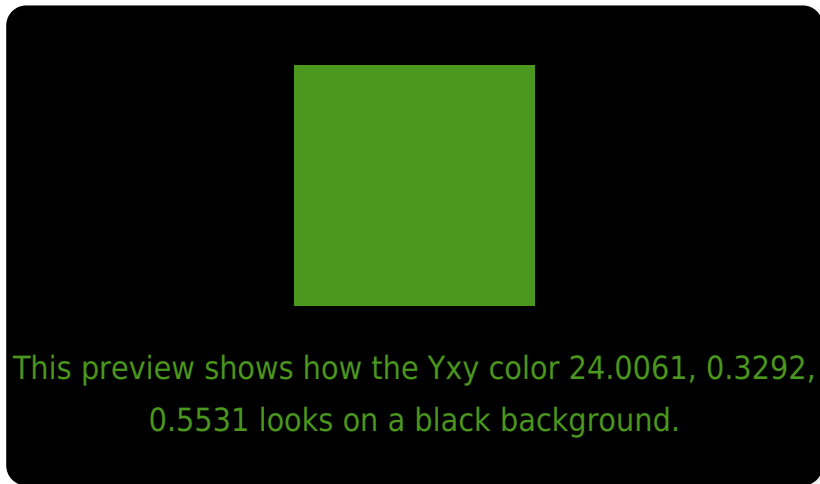
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 24.0061, 0.3292, 0.5531

Background



This preview shows how black text looks on a background with the Yxy color 24.0061, 0.3292, 0.5531.



This preview shows how white text looks on a background with the Yxy color 24.0061, 0.3292, 0.5531.

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

24.0061, 0.3292, 0.5531

Protanopia

23.6044, 0.4322, 0.4794

Deuteranopia

23.5614, 0.4519, 0.4447



Tritanopia

24.0256, 0.2576, 0.3089

Trichromacy



Original Color

24.0061, 0.3292, 0.5531

Protanomaly

23.2665, 0.3892, 0.5101

Deuteranomaly

22.7348, 0.4024, 0.4859

Tritanomaly

23.6667, 0.2894, 0.4049

Monochromacy



Original Color

24.0061, 0.3292, 0.5531

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

18.7878, 0.3267, 0.4212

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0061, 0.3292, 0.5531 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(74, 152, 30)` looks like.

```
.text, #text, p{  
    color:rgb(74, 152, 30)  
}
```

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(74, 152, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 152, 30) }
```

Border

The CSS property to change the border of an element to Yxy 24.0061, 0.3292, 0.5531 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(74, 152, 30) }
```

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

```
.border{ border-color:rgb(74, 152, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 152, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 152, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 152, 30);  
box-shadow:4px 4px 4px 4px rgb(74, 152,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0061, 0.3292, 0.5531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 152, 30) }
```

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

```
.background{ background-color: rgb(74, 152,  
30) }
```

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