

Converting Colors

$Y_{xy}(23.4876, 0.2913, 0.5471)$

Have a look what the booklet for
Yxy(23.4876, 0.2913, 0.5471)
contains.

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Color

Yxy(23.5482, 0.2916, 0.5479)

Conversions

Conversions Part 1	
Format	Color
Hex	199A32
RGB	25, 154, 50
RGB Percent	10%, 60%, 20%
CMY	0.9017, 0.3961, 0.8041
CMYK	0.84, 0.00, 0.68, 0.40
HSL	132°, 72%, 35%
HSV	132°, 84%, 60%
XYZ	12.5327, 23.5482, 6.8981
YIQ	103.5730, -43.5000, -59.6920

Conversions

Conversions Part 2

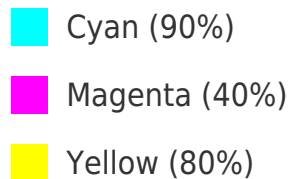
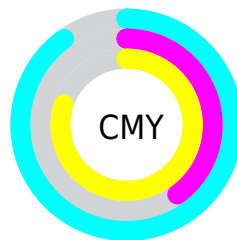
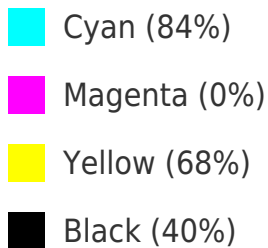
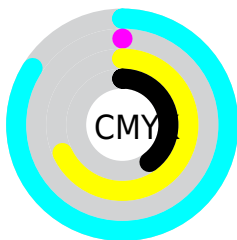
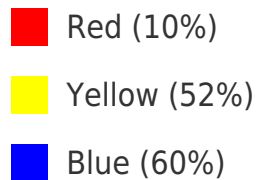
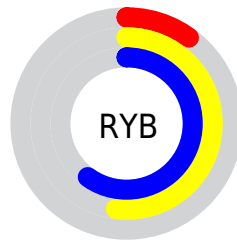
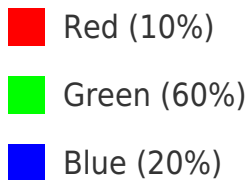
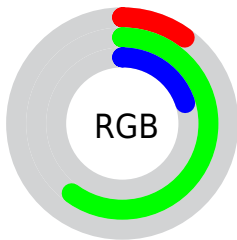
Format	Color
RYB	25, 133, 154
Decimal	1677874
CIELab	55.63, -54.27, 43.77
CIELCh	56, 69.724, 141.110
Yxy	23.5482, 0.2916, 0.5479
Android (android.graphics.Color)	4279867954 (0xFF199A32)
YUV	103.5730, -26.4115, -68.9085
Hunter-Lab	48.5265, -38.8211, 25.5404

Details

The Yxy color **23.5482, 0.2916, 0.5479** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **9.1555, 0.3643, 0.1890**, and the grayscale version is **13.8081, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.4657, 0.3016, 0.4954**, and **9.3074, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **23.3111, 0.2932, 0.5687**, and if you desaturate by 10%, it is **23.9242, 0.2911, 0.5226**.


Distribution





Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5482, 0.2916, 0.5479 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 23.5482, 0.2916, 0.5479 by changing the saturation by 10% instead.


 23.5482, 0.2916,
0.5479


 23.5482, 0.2916,
0.5479


 270.5283, 0.3109,
0.4171

 14.9988, 0.2816,
0.5881


 49.2919, 0.3018,
0.4947

 8.8186, 0.2644,
0.6435


 67.2550, 0.3045,
0.4764

 4.6230, 0.2428,
0.7525


 89.1249, 0.3065,
0.4617

 2.0278, 0.1363,
0.8637

 115.2858, 0.3079,
0.4496

 0.6236, 0.0000,
1.0000


 146.1222, 0.3089,
0.4395


 0.0000, 0.0000,
0.0000


 182.0185, 0.3097,

0.4309


223.3591, 0.3104,
0.4235


 23.5482, 0.2916,
0.5479


 23.5482, 0.2916,
0.5479

 23.3111, 0.2932,
0.5687


 23.9242, 0.2911,
0.5226

 23.2042, 0.2942,
0.5792


 24.4540, 0.2919,
0.4942


 25.1533, 0.2937,
0.4646


 26.0354, 0.2965,
0.4351

 27.1120, 0.2998,
0.4070

 28.3940, 0.3035,
0.3809

 29.8915, 0.3074,
0.3573

 31.6138, 0.3113,
0.3362

 33.5696, 0.3151,
0.3177

Harmonies

Analogous

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



23.5482, 0.3978, 0.5398



23.5482, 0.2916, 0.5479



23.5482, 0.1960, 0.4398

Triad

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



23.5482, 0.2916, 0.5479



23.5482, 0.1431, 0.1675



23.5482, 0.5210, 0.3089

Complementary

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



23.5482, 0.2916, 0.5479



9.1555, 0.3643, 0.1890

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.



23.5482, 0.4202, 0.2416



23.5482, 0.2916, 0.5479



23.5482, 0.1978, 0.1646

Square

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



23.5482, 0.2916, 0.5479



23.5482, 0.1239, 0.2063



23.5482, 0.2942, 0.1905



23.5482, 0.5428, 0.3836

Rectangle

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



23.5482, 0.2916, 0.5479



23.5482, 0.1529, 0.3410



23.5482, 0.2942, 0.1905



23.5482, 0.4946, 0.2854

Sweetspot

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



23.5492, 0.2916, 0.5479



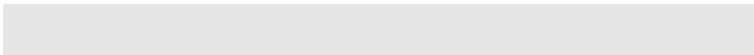
51.1378, 0.3028, 0.3853



27.9567, 0.3876, 0.5162



11.3977, 0.3016, 0.3938



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



23.5492, 0.2916, 0.5479



42.1293, 0.2950, 0.5819



24.5153, 0.2530, 0.4149



6.9441, 0.3091, 0.3474



18.9089, 0.2939, 0.5781



0.2869, 0.2759, 0.5131

Inverse Universe

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



9.1555, 0.3643, 0.1890



15.1078, 0.3771, 0.1851



7.9601, 0.5139, 0.2791



6.3032, 0.3165, 0.3112



6.7930, 0.3753, 0.1841



0.1062, 0.3475, 0.1688

Previews

White Background



This preview shows how the Yxy color 23.5482, 0.2916, 0.5479 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 23.5482, 0.2916, 0.5479 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 23.5482, 0.2916, 0.5479

Background



This preview shows how black text looks on a background with the Yxy color 23.5482, 0.2916, 0.5479.



This preview shows how white text looks on a background with the Yxy color 23.5482, 0.2916, 0.5479.

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

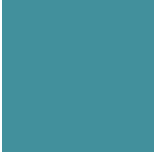
23.5482, 0.2916, 0.5479

Protanopia

23.2528, 0.4205, 0.4644

Deuteranopia

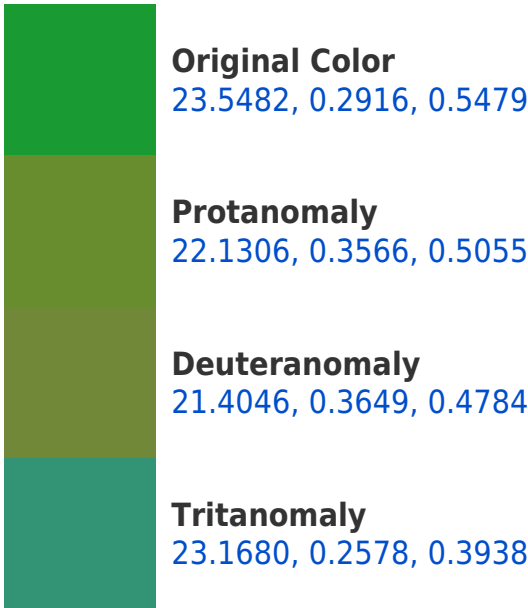
23.1300, 0.4359, 0.4279



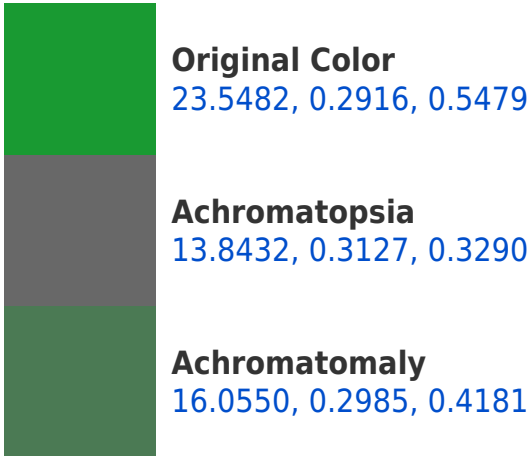
Tritanopia

23.5051, 0.2374, 0.3062

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5482, 0.2916, 0.5479 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(25, 154, 50)` looks like.

```
.text, #text, p{  
    color:rgb(25, 154, 50)  
}
```


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(25, 154, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 154, 50) }
```

Border

The CSS property to change the border of an element to Yxy 23.5482, 0.2916, 0.5479 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(25, 154, 50) }
```


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

```
.border{ border-color:rgb(25, 154, 50) }
```

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

Here you see how a box with a 4 pixel rgb(25, 154, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 154, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 154, 50);  
box-shadow:4px 4px 4px 4px rgb(25, 154,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5482, 0.2916, 0.5479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 154, 50) }
```

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

```
.background{ background-color: rgb(25, 154,  
50) }
```

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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