

Converting Colors

$Y_{xy}(23.4795, 0.2858, 0.5489)$

Have a look what the booklet for
Yxy(23.4795, 0.2858, 0.5489)
contains.

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Color

Yxy(23.3502, 0.2859, 0.5494)

Conversions

Conversions Part 1

Format	Color
Hex	009A33
RGB	0, 154, 51
RGB Percent	0%, 60%, 20%
CMY	1.0000, 0.3961, 0.7999
CMYK	1.00, 0.00, 0.67, 0.40
HSL	140°, 100%, 30%
HSV	140°, 100%, 60%
XYZ	12.1511, 23.3502, 7.0000
YIQ	96.2120, -58.7210, -64.6810

Conversions

Conversions Part 2

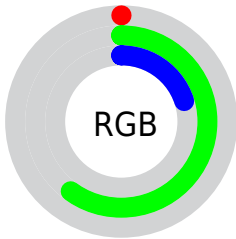
Format	Color
RYB	0, 116, 154
Decimal	39475
CIELab	55.43, -56.01, 43.04
CIELCh	55, 70.637, 142.463
Yxy	23.3502, 0.2859, 0.5494
Android (android.graphics.Color)	4278229555 (0xFF009A33)
YUV	96.2120, -22.2895, -84.3779
Hunter-Lab	48.3220, -39.6778, 25.2366

Details

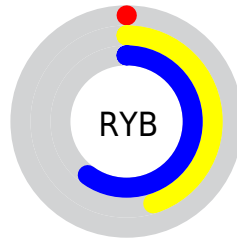
The Yxy color **23.3502, 0.2859, 0.5494** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **7.8498, 0.4248, 0.2114**, and the grayscale version is **11.8188, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1272, 0.2974, 0.4958**, and **9.3074, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **23.3527, 0.2859, 0.5494**, and if you desaturate by 10%, it is **23.5588, 0.2833, 0.5293**.

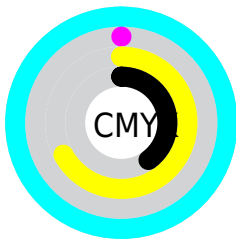
Distribution



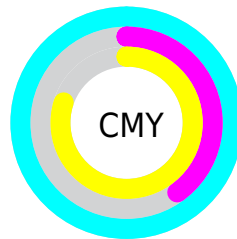
- Red (0%)
- Green (60%)
- Blue (20%)



- Red (0%)
- Yellow (45%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (67%)
- Black (40%)




- Cyan (100%)
- Magenta (40%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3502, 0.2859, 0.5494 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 23.3502, 0.2859, 0.5494 by changing the saturation by 10% instead.


 23.3502, 0.2859,
0.5494


 23.3502, 0.2859,
0.5494


269.5186, 0.3083,
0.4172


 14.8523, 0.2751,
0.5904


 48.9677, 0.2973,
0.4954


 8.7158, 0.2568,
0.6472


 66.8561, 0.3005,
0.4770

 4.5563, 0.2329,
0.7577

 88.6435, 0.3028,
0.4621

 1.9893, 0.1142,
0.8858

 114.7142, 0.3045,
0.4499

 0.6013, 0.0000,
1.0000

 145.4527, 0.3058,
0.4397

 0.0000, 0.0000,
0.0000

 181.2434, 0.3068,

0.4311

222.4705, 0.3076,
0.4236

■ 23.3502, 0.2859,
0.5494

■ 23.3502, 0.2859,
0.5494

■ 23.3527, 0.2859,
0.5494

■ 23.5588, 0.2833,
0.5293

■ 23.8646, 0.2817,
0.5066

■ 24.3070, 0.2818,
0.4820

■ 24.9013, 0.2835,
0.4567

■ 25.6610, 0.2866,
0.4316

■ 26.5977, 0.2908,
0.4074

■ 27.7223, 0.2957,
0.3849

■ 29.0445, 0.3012,
0.3642

■ 30.5734, 0.3069,
0.3456

Harmonies

Analogous

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



23.3502, 0.3934, 0.5450



23.3502, 0.2859, 0.5494



23.3502, 0.1906, 0.4349

Triad

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



23.3502, 0.2859, 0.5494



23.3502, 0.1429, 0.1648



23.3502, 0.5271, 0.3115

Complementary

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



23.3502, 0.2859, 0.5494



7.8498, 0.4248, 0.2114

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.



23.3502, 0.4275, 0.2432



23.3502, 0.2859, 0.5494



23.3502, 0.1997, 0.1633

Square

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



23.3502, 0.2859, 0.5494



23.3502, 0.1220, 0.2017



23.3502, 0.2992, 0.1907



23.3502, 0.5447, 0.3870

Rectangle

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



23.3502, 0.2859, 0.5494



23.3502, 0.1486, 0.3345



23.3502, 0.2992, 0.1907



23.3502, 0.5015, 0.2877

Sweetspot

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



23.3527, 0.2859, 0.5494



50.2219, 0.2954, 0.3862



26.1312, 0.3652, 0.5482



11.1783, 0.2934, 0.3949



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.



23.3527, 0.2859, 0.5494



42.3854, 0.2869, 0.5528



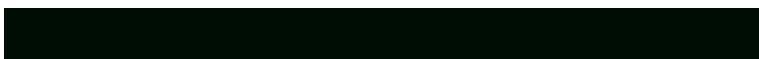
24.6140, 0.2410, 0.3875



6.9577, 0.3074, 0.3442



19.0302, 0.2855, 0.5479



0.2908, 0.2629, 0.4664

Inverse Universe

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



7.8498, 0.4248, 0.2114



14.2213, 0.4273, 0.2128



6.9557, 0.6089, 0.3128



6.2888, 0.3185, 0.3142



6.4016, 0.4237, 0.2108



0.1024, 0.3700, 0.1812

Previews

White Background



This preview shows how the Yxy color 23.3502, 0.2859, 0.5494 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 23.3502, 0.2859, 0.5494 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 23.3502, 0.2859, 0.5494

Background



This preview shows how black text looks on a background with the Yxy color 23.3502, 0.2859, 0.5494.



This preview shows how white text looks on a background with the Yxy color 23.3502, 0.2859, 0.5494.

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

23.3502, 0.2859, 0.5494

Protanopia

22.9879, 0.4209, 0.4621

Deuteranopia

23.0345, 0.4337, 0.4273



Tritanopia

23.3710, 0.2352, 0.3061

Trichromacy



Original Color

23.3502, 0.2859, 0.5494



Protanomaly

21.3411, 0.3463, 0.5094



Deuteranomaly

20.8468, 0.3531, 0.4827



Tritanomaly

22.9191, 0.2516, 0.3924

Monochromacy



Original Color

23.3502, 0.2859, 0.5494



Achromatopsia

11.6971, 0.3127, 0.3290



Achromatomaly

14.2939, 0.2874, 0.4221

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3502, 0.2859, 0.5494 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, 154, 51)` looks like.

```
.text, #text, p{  
    color:rgb(0, 154, 51)  
}
```

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, 154, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 51) }
```

Border

The CSS property to change the border of an element to Yxy 23.3502, 0.2859, 0.5494 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, 154, 51) }
```

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

```
.border{ border-color:rgb(0, 154, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 154, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 51);  
box-shadow:4px 4px 4px 4px rgb(0, 154, 51)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.3502, 0.2859, 0.5494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 154, 51) }
```

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

```
.background{ background-color: rgb(0, 154,  
51) }
```

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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