

Converting Colors

$Yxy(23.2957, 0.2724, 0.5007)$

Have a look what the booklet for
Yxy(23.2957, 0.2724, 0.5007)
contains.

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Color

$Y_{xy}(23.2905, 0.2727, 0.5016)$

Conversions

Conversions Part 1

Format	Color
Hex	00994B
RGB	0, 153, 75
RGB Percent	0%, 60%, 29%
CMY	0.9993, 0.4000, 0.7060
CMYK	1.00, 0.00, 0.51, 0.40
HSL	149°, 100%, 30%
HSV	149°, 100%, 60%
XYZ	12.6621, 23.2905, 10.4798
YIQ	98.3610, -66.1500, -56.6940

Conversions

Conversions Part 2

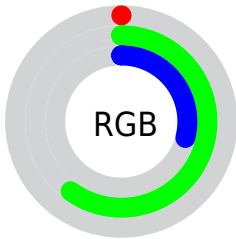
Format	Color
RYB	0, 103, 153
Decimal	39243
CIELab	55.37, -52.27, 31.40
CIELCh	55, 60.972, 149.007
Yxy	23.2905, 0.2727, 0.5016
Android (android.graphics.Color)	4278229323 (0xFF00994B)
YUV	98.3610, -11.5170, -86.2626
Hunter-Lab	48.2602, -37.6221, 20.9072

Details

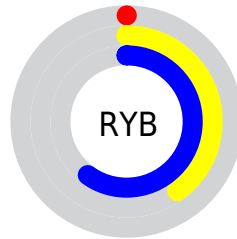
The Yxy color **23.2905, 0.2727, 0.5016** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **7.3293, 0.4882, 0.2464**, and the grayscale version is **12.3640, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1078, 0.2849, 0.4597**, and **9.1935, 0.2880, 0.5569** is the 20% darker color. If you saturate the color by 10%, you get **23.2890, 0.2727, 0.5018**, and if you desaturate by 10%, it is **23.5095, 0.2703, 0.4833**.

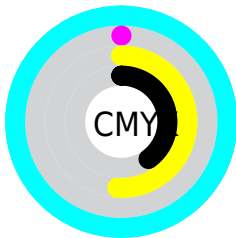
Distribution



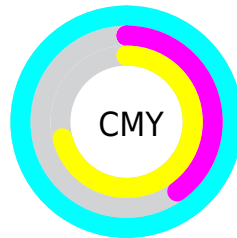
- Red (0%)
- Green (60%)
- Blue (29%)



- Red (0%)
- Yellow (40%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (51%)
- Black (40%)




- Cyan (100%)
- Magenta (40%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2905, 0.2727, 0.5016 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 23.2905, 0.2727, 0.5016 by changing the saturation by 10% instead.


 23.2905, 0.2727,
0.5016

 23.2905, 0.2727,
0.5016


 269.2136, 0.2993,
0.3981


 14.8082, 0.2626,
0.5348


 48.8699, 0.2846,
0.4589


 8.6849, 0.2469,
0.5825

 66.7357, 0.2883,
0.4445


 4.5362, 0.2200,
0.6553

 88.4982, 0.2912,
0.4329

 1.9778, 0.1472,
0.8528

 114.5416, 0.2935,
0.4234

 0.5945, 0.0000,
1.0000

 145.2505, 0.2953,
0.4155

 0.0000, 0.0000,
0.0000

 181.0092, 0.2969,

0.4088

222.2021, 0.2982,
0.4030

■ 23.2905, 0.2727,
0.5016

■ 23.2905, 0.2727,
0.5016

■ 23.2890, 0.2727,
0.5018

■ 23.5095, 0.2703,
0.4833

■ 23.8190, 0.2693,
0.4642

■ 24.2550, 0.2703,
0.4445

■ 24.8321, 0.2730,
0.4250

■ 25.5628, 0.2774,
0.4059

■ 26.4583, 0.2830,
0.3879

■ 27.5284, 0.2897,
0.3710

■ 28.7824, 0.2970,
0.3555

■ 30.2288, 0.3048,
0.3415

Harmonies

Analogous

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



23.2905, 0.3694, 0.5263



23.2905, 0.2727, 0.5016



23.2905, 0.1921, 0.3920

Triad

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



23.2905, 0.2727, 0.5016



23.2905, 0.1685, 0.1791



23.2905, 0.5096, 0.3319

Complementary

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



23.2905, 0.2727, 0.5016



7.3293, 0.4882, 0.2464

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.



23.2905, 0.4357, 0.2665



23.2905, 0.2727, 0.5016



23.2905, 0.2293, 0.1832

Square

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



23.2905, 0.2727, 0.5016



23.2905, 0.1423, 0.2067



23.2905, 0.3255, 0.2139



23.2905, 0.5131, 0.4033

Rectangle

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



23.2905, 0.2727, 0.5016



23.2905, 0.1586, 0.3110



23.2905, 0.3255, 0.2139



23.2905, 0.4921, 0.3093

Sweetspot

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



23.2914, 0.2727, 0.5016



49.1530, 0.2892, 0.3721



24.4512, 0.3399, 0.5682



10.6841, 0.2865, 0.3785



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.



23.2914, 0.2727, 0.5016



41.6704, 0.2737, 0.5051



25.0004, 0.2261, 0.3337



6.9735, 0.3053, 0.3406



19.2545, 0.2724, 0.5005



0.2952, 0.2510, 0.4235

Inverse Universe

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



7.3293, 0.4882, 0.2464



13.0789, 0.4925, 0.2487



6.7823, 0.6376, 0.3288



6.2727, 0.3208, 0.3177



6.0600, 0.4869, 0.2456



0.0979, 0.4030, 0.1993

Previews

White Background



This preview shows how the Yxy color 23.2905, 0.2727, 0.5016 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 23.2905, 0.2727, 0.5016 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 23.2905, 0.2727, 0.5016

Background



This preview shows how black text looks on a background with the Yxy color 23.2905, 0.2727, 0.5016.



This preview shows how white text looks on a background with the Yxy color 23.2905, 0.2727, 0.5016.

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

23.2905, 0.2727, 0.5016

Protanopia

23.0309, 0.3992, 0.4347

Deuteranopia

22.9018, 0.4059, 0.3993



Tritanopia

23.2766, 0.2337, 0.3060

Trichromacy



Original Color

23.2905, 0.2727, 0.5016



Protanomaly

21.5383, 0.3275, 0.4693



Deuteranomaly

20.9395, 0.3306, 0.4442



Tritanomaly

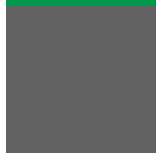
22.8118, 0.2447, 0.3705

Monochromacy



Original Color

23.2905, 0.2727, 0.5016



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

14.7192, 0.2787, 0.3978

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2905, 0.2727, 0.5016 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, 153, 75)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 75)  
}
```

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, 153, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 75) }
```

Border

The CSS property to change the border of an element to Yxy 23.2905, 0.2727, 0.5016 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, 153, 75) }
```

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

```
.border{ border-color:rgb(0, 153, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 153, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 75);  
box-shadow:4px 4px 4px 4px rgb(0, 153, 75)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.2905, 0.2727, 0.5016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 75) }
```

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

```
.background{ background-color: rgb(0, 153,  
75) }
```

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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