

Converting Colors

$Yxy(23.4519, 0.2759, 0.4985)$

Have a look what the booklet for
Yxy(23.4519, 0.2759, 0.4985)
contains.

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Color

Yxy(23.4530, 0.2756, 0.4978)

Conversions

Conversions Part 1

Format	Color
Hex	14994C
RGB	20, 153, 76
RGB Percent	8%, 60%, 30%
CMY	0.9213, 0.4000, 0.7020
CMYK	0.87, 0.00, 0.50, 0.40
HSL	145°, 77%, 34%
HSV	145°, 87%, 60%
XYZ	12.9844, 23.4530, 10.6759
YIQ	104.4550, -54.5510, -52.1430

Conversions

Conversions Part 2

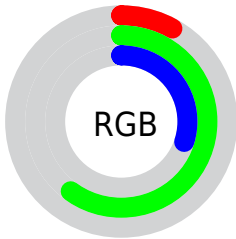
Format	Color
R _Y B	20, 114, 153
Decimal	1349964
CIE Lab	55.54, -50.83, 31.11
CIE LCh	56, 59.598, 148.530
Yxy	23.4530, 0.2756, 0.4978
Android (android.graphics.Color)	4279540044 (0xFF14994C)
YUV	104.4550, -14.0283, -74.0670
Hunter-Lab	48.4283, -36.8907, 20.8295

Details

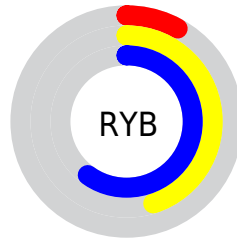
The Yxy color **23.4530, 0.2756, 0.4978** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **8.1394, 0.4347, 0.2276**, and the grayscale version is **14.0258, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.8934, 0.2868, 0.4562**, and **9.2031, 0.2867, 0.5521** is the 20% darker color. If you saturate the color by 10%, you get **23.2204, 0.2780, 0.5178**, and if you desaturate by 10%, it is **23.8001, 0.2748, 0.4764**.

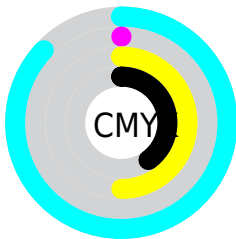
Distribution



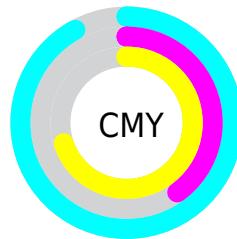
- Red (8%)
- Green (60%)
- Blue (30%)



- Red (8%)
- Yellow (45%)
- Blue (60%)



- Cyan (87%)
- Magenta (0%)
- Yellow (50%)
- Black (40%)





- Cyan (92%)
- Magenta (40%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4530, 0.2756, 0.4978 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 23.4530, 0.2756, 0.4978 by changing the saturation by 10% instead.


 23.4530, 0.2756,
0.4978


 23.4530, 0.2756,
0.4978

270.0432, 0.3004,
0.3968


 14.9284, 0.2661,
0.5301


 49.1361, 0.2867,
0.4562


 8.7691, 0.2513,
0.5765


 67.0633, 0.2902,
0.4422


 4.5909, 0.2258,
0.6470

 88.8935, 0.2929,
0.4309

 2.0093, 0.1639,
0.8361

 115.0111, 0.2950,
0.4216

 0.6129, 0.0000,
1.0000

 145.8005, 0.2967,
0.4138

 0.0000, 0.0000,
0.0000

 181.6461, 0.2982,

0.4073

222.9322, 0.2994,
0.4017

■ 23.4530, 0.2756,
0.4978

■ 23.4530, 0.2756,
0.4978

■ 23.2204, 0.2780,
0.5178

■ 23.8001, 0.2748,
0.4764

■ 23.1574, 0.2788,
0.5238

■ 24.2810, 0.2759,
0.4542

■ 24.9106, 0.2786,
0.4321

■ 25.7012, 0.2828,
0.4106

■ 26.6637, 0.2881,
0.3903

■ 27.8080, 0.2942,
0.3714

■ 29.1432, 0.3009,
0.3542

■ 30.6778, 0.3079,
0.3387

■ 32.4199, 0.3149,
0.3249

Harmonies

Analogous

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



23.4530, 0.3705, 0.5213



23.4530, 0.2756, 0.4978



23.4530, 0.1959, 0.3925

Triad

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



23.4530, 0.2756, 0.4978



23.4530, 0.1706, 0.1822



23.4530, 0.5043, 0.3314

Complementary

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



23.4530, 0.2756, 0.4978



8.1394, 0.4347, 0.2276

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.



23.4530, 0.4312, 0.2671



23.4530, 0.2756, 0.4978



23.4530, 0.2300, 0.1857

Square

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



23.4530, 0.2756, 0.4978



23.4530, 0.1452, 0.2102



23.4530, 0.3237, 0.2155



23.4530, 0.5094, 0.4017

Rectangle

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



23.4530, 0.2756, 0.4978



23.4530, 0.1624, 0.3136



23.4530, 0.3237, 0.2155



23.4530, 0.4868, 0.3091

Sweetspot

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



23.4540, 0.2756, 0.4978



49.8834, 0.2945, 0.3707



25.4088, 0.3542, 0.5450



10.8635, 0.2925, 0.3765



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.



23.4540, 0.2756, 0.4978



41.4357, 0.2798, 0.5273



24.8831, 0.2334, 0.3508



6.9665, 0.3062, 0.3422



19.1450, 0.2785, 0.5225



0.2933, 0.2558, 0.4410

Inverse Universe

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



8.1394, 0.4347, 0.2276



13.3717, 0.4634, 0.2327



7.3745, 0.5924, 0.3203



6.2797, 0.3198, 0.3162



6.1951, 0.4587, 0.2301



0.0999, 0.3875, 0.1908

Previews

White Background



This preview shows how the Yxy color 23.4530, 0.2756, 0.4978 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 23.4530, 0.2756, 0.4978 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 23.4530, 0.2756, 0.4978

Background



This preview shows how black text looks on a background with the Yxy color 23.4530, 0.2756, 0.4978.



This preview shows how white text looks on a background with the Yxy color 23.4530, 0.2756, 0.4978.

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

23.4530, 0.2756, 0.4978

Protanopia

23.0432, 0.3982, 0.4333

Deuteranopia

23.0198, 0.4060, 0.3974



Tritanopia

23.3389, 0.2347, 0.3061

Trichromacy



Original Color

23.4530, 0.2756, 0.4978



Protanomaly

21.9334, 0.3343, 0.4640



Deuteranomaly

21.4387, 0.3390, 0.4388



Tritanomaly

22.9806, 0.2479, 0.3702

Monochromacy



Original Color

23.4530, 0.2756, 0.4978



Achromatopsia

13.8432, 0.3127, 0.3290



Achromatomaly

16.1437, 0.2863, 0.3941

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4530, 0.2756, 0.4978 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(20, 153, 76)` looks like.

```
.text, #text, p{  
    color:rgb(20, 153, 76)  
}
```

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(20, 153, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 153, 76) }
```

Border

The CSS property to change the border of an element to Yxy 23.4530, 0.2756, 0.4978 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(20, 153, 76) }
```

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

```
.border{ border-color:rgb(20, 153, 76) }
```

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

Here you see how a box with a 4 pixel rgb(20, 153, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 153, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 153, 76);  
box-shadow:4px 4px 4px 4px rgb(20, 153,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4530, 0.2756, 0.4978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 153, 76) }
```

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

```
.background{ background-color: rgb(20, 153,  
76) }
```

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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