

Converting Colors

$Yxy(20.7453, 0.1740, 0.5614)$

Have a look what the booklet for
Yxy(20.7453, 0.1740, 0.5614)
contains.

Yxy(24.2448, 0.2753, 0.5112)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.2448, 0.2753, 0.5112)

Conversions

Conversions Part 1

Format	Color
Hex	009C48
RGB	0, 156, 72
RGB Percent	0%, 61%, 28%
CMY	1.0000, 0.3882, 0.7176
CMYK	1.00, 0.00, 0.54, 0.39
HSL	148°, 100%, 31%
HSV	148°, 100%, 61%
XYZ	13.0567, 24.2448, 10.1257
YIQ	99.7800, -66.0120, -59.1960

Conversions

Conversions Part 2

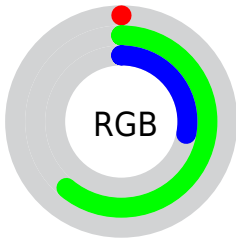
Format	Color
RYB	0, 107, 156
Decimal	40008
CIELab	56.33, -53.79, 34.10
CIELCh	56, 63.685, 147.627
Yxy	24.2448, 0.2753, 0.5112
Android (android.graphics.Color)	4278230088 (0xFF009C48)
YUV	99.7800, -13.6955, -87.5071
Hunter-Lab	49.2390, -38.8354, 22.2747

Details

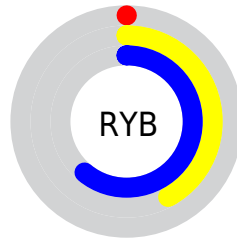
The Yxy color **24.2448, 0.2753, 0.5112** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **7.7084, 0.4772, 0.2403**, and the grayscale version is **12.7346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.5668, 0.2873, 0.4674**, and **9.7624, 0.2910, 0.5676** is the 20% darker color. If you saturate the color by 10%, you get **24.2471, 0.2753, 0.5112**, and if you desaturate by 10%, it is **24.4710, 0.2728, 0.4923**.

Distribution



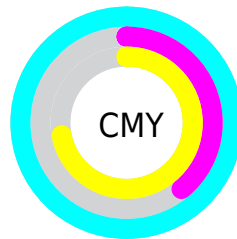
- Red (0%)
- Green (61%)
- Blue (28%)



- Red (0%)
- Yellow (42%)
- Blue (61%)



- Cyan (100%)
- Magenta (0%)
- Yellow (54%)
- Black (39%)





- Cyan (100%)
- Magenta (39%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.2448, 0.2753, 0.5112 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 24.2448, 0.2753, 0.5112 by changing the saturation by 10% instead.


 24.2448, 0.2753,
0.5112


 24.2448, 0.2753,
0.5112


274.0558, 0.3009,
0.4024


 15.5153, 0.2653,
0.5456


 50.4294, 0.2869,
0.4666


 9.1818, 0.2496,
0.5946


 68.6533, 0.2905,
0.4514

 4.8600, 0.2228,
0.6685

 90.8107, 0.2932,
0.4392

 2.1653, 0.1577,
0.8423

 117.2862, 0.2954,
0.4292

 0.7010, 0.0000,
1.0000

 148.4640, 0.2972,
0.4209

 0.0000, 0.0000,
0.0000

 184.7287, 0.2986,

0.4138

226.4644, 0.2998,
0.4077

■ 24.2448, 0.2753,
0.5112

■ 24.2448, 0.2753,
0.5112

■ 24.2471, 0.2753,
0.5112

■ 24.4710, 0.2728,
0.4923

■ 24.7916, 0.2716,
0.4723

■ 25.2457, 0.2723,
0.4516

■ 25.8488, 0.2748,
0.4309

■ 26.6140, 0.2789,
0.4108

■ 27.5531, 0.2843,
0.3916

■ 28.6767, 0.2906,
0.3737

■ 29.9944, 0.2977,
0.3572

■ 31.5154, 0.3051,
0.3423

Harmonies

Analogous

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



24.2448, 0.3743, 0.5308



24.2448, 0.2753, 0.5112



24.2448, 0.1917, 0.3999

Triad

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



24.2448, 0.2753, 0.5112



24.2448, 0.1632, 0.1761



24.2448, 0.5134, 0.3279

Complementary

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



24.2448, 0.2753, 0.5112



7.7084, 0.4772, 0.2403

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.



24.2448, 0.4345, 0.2619



24.2448, 0.2753, 0.5112



24.2448, 0.2233, 0.1791

Square

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



24.2448, 0.2753, 0.5112



24.2448, 0.1380, 0.2056



24.2448, 0.3205, 0.2092



24.2448, 0.5195, 0.4003

Rectangle

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



24.2448, 0.2753, 0.5112



24.2448, 0.1565, 0.3152



24.2448, 0.3205, 0.2092



24.2448, 0.4943, 0.3050

Sweetspot

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



24.2471, 0.2753, 0.5112



51.9499, 0.2902, 0.3747



25.7480, 0.3445, 0.5647



11.2489, 0.2877, 0.3815



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.



24.2471, 0.2753, 0.5112



43.9971, 0.2763, 0.5146



25.9236, 0.2289, 0.3439



7.4495, 0.3057, 0.3413



19.9774, 0.2750, 0.5099



0.3657, 0.2540, 0.4345

Inverse Universe

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



7.7084, 0.4772, 0.2403



13.9593, 0.4810, 0.2423



7.0856, 0.6336, 0.3264



6.7029, 0.3204, 0.3170



6.3559, 0.4758, 0.2395



0.1221, 0.4009, 0.1982

Previews

White Background



This preview shows how the Yxy color 24.2448, 0.2753, 0.5112 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 24.2448, 0.2753, 0.5112 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 24.2448, 0.2753, 0.5112

Background



This preview shows how black text looks on a background with the Yxy color 24.2448, 0.2753, 0.5112.



This preview shows how white text looks on a background with the Yxy color 24.2448, 0.2753, 0.5112.

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

24.2448, 0.2753, 0.5112

Protanopia

23.8214, 0.4040, 0.4400

Deuteranopia

23.7894, 0.4126, 0.4050



Tritanopia

24.3627, 0.2342, 0.3064

Trichromacy



Original Color

24.2448, 0.2753, 0.5112



Protanomaly

22.1963, 0.3314, 0.4766



Deuteranomaly

21.6418, 0.3361, 0.4517



Tritanomaly

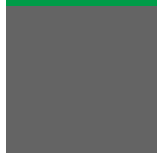
23.7763, 0.2464, 0.3762

Monochromacy



Original Color

24.2448, 0.2753, 0.5112



Achromatopsia

12.7438, 0.3127, 0.3290



Achromatomaly

15.2611, 0.2810, 0.4017

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2448, 0.2753, 0.5112 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, 156, 72)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 72)  
}
```

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, 156, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 72) }
```

Border

The CSS property to change the border of an element to Yxy 24.2448, 0.2753, 0.5112 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, 156, 72) }
```

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

```
.border{ border-color:rgb(0, 156, 72) }
```

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

Here you see how a box with a 4 pixel rgb(0, 156, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 156, 72);  
box-shadow:4px 4px 4px 4px rgb(0, 156, 72)  
}
```


Background

The CSS property to change the background color of an element to Yxy 24.2448, 0.2753, 0.5112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 156, 72) }
```

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

```
.background{ background-color: rgb(0, 156,  
72) }
```

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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