

Converting Colors

$Yxy(23.2067, 0.2519, 0.4851)$

Have a look what the booklet for
Yxy(23.2067, 0.2519, 0.4851)
contains.

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Color

Yxy(23.7831, 0.2662, 0.4784)

Conversions

Conversions Part 1

Format	Color
Hex	009A56
RGB	0, 154, 86
RGB Percent	0%, 60%, 34%
CMY	1.0000, 0.3961, 0.6627
CMYK	1.00, 0.00, 0.44, 0.40
HSL	154°, 100%, 30%
HSV	154°, 100%, 60%
XYZ	13.2338, 23.7831, 12.6969
YIQ	100.2020, -69.9560, -53.7960

Conversions

Conversions Part 2

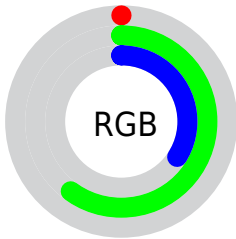
Format	Color
RYB	0, 99, 154
Decimal	39510
CIELab	55.87, -50.63, 26.20
CIELCh	56, 57.012, 152.638
Yxy	23.7831, 0.2662, 0.4784
Android (android.graphics.Color)	4278229590 (0xFF009A56)
YUV	100.2020, -7.0016, -87.8772
Hunter-Lab	48.7679, -36.9055, 18.7012

Details

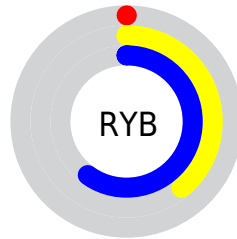
The Yxy color **23.7831, 0.2662, 0.4784** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **7.2880, 0.5174, 0.2624**, and the grayscale version is **12.8307, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.9256, 0.2785, 0.4416**, and **9.4538, 0.2796, 0.5266** is the 20% darker color. If you saturate the color by 10%, you get **23.7850, 0.2662, 0.4784**, and if you desaturate by 10%, it is **24.0049, 0.2642, 0.4621**.

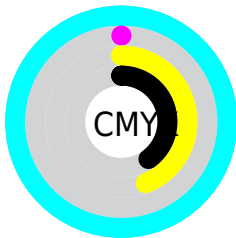
Distribution



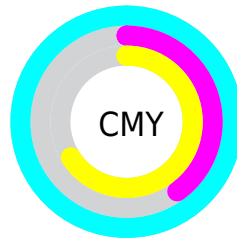
- Red (0%)
- Green (60%)
- Blue (34%)



- Red (0%)
- Yellow (39%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (44%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.7831, 0.2662, 0.4784 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 23.7831, 0.2662, 0.4784 by changing the saturation by 10% instead.


 23.7831, 0.2662,
0.4784

 23.7831, 0.2662,
0.4784


271.7221, 0.2952,
0.3894

 15.1728, 0.2562,
0.5069


 49.6760, 0.2786,
0.4418


 8.9408, 0.2411,
0.5480

 67.7274, 0.2826,
0.4294

 4.7026, 0.2164,
0.6115

 89.6947, 0.2858,
0.4195

 2.0738, 0.1676,
0.8011

 115.9621, 0.2884,
0.4113

 0.6498, 0.0000,
1.0000

 146.9142, 0.2906,
0.4044

 0.0000, 0.0000,
0.0000

 182.9353, 0.2924,

0.3987

224.4098, 0.2939,
0.3937

■ 23.7831, 0.2662,
0.4784

■ 23.7831, 0.2662,
0.4784

■ 23.7850, 0.2662,
0.4784

■ 24.0049, 0.2642,
0.4621

■ 24.3138, 0.2637,
0.4453

■ 24.7477, 0.2651,
0.4283

■ 25.3213, 0.2683,
0.4115

■ 26.0472, 0.2732,
0.3952

■ 26.9365, 0.2795,
0.3798

■ 27.9992, 0.2869,
0.3653

■ 29.2446, 0.2951,
0.3520

■ 30.6812, 0.3038,
0.3399

Harmonies

Analogous

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



23.7831, 0.3571, 0.5142



23.7831, 0.2662, 0.4784



23.7831, 0.1931, 0.3737

Triad

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



23.7831, 0.2662, 0.4784



23.7831, 0.1818, 0.1865



23.7831, 0.5003, 0.3416

Complementary

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



23.7831, 0.2662, 0.4784



7.2880, 0.5174, 0.2624

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.



23.7831, 0.4383, 0.2779



23.7831, 0.2662, 0.4784



23.7831, 0.2442, 0.1934

Square

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



23.7831, 0.2662, 0.4784



23.7831, 0.1528, 0.2095



23.7831, 0.3377, 0.2256



23.7831, 0.4974, 0.4102

Rectangle

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



23.7831, 0.2662, 0.4784



23.7831, 0.1638, 0.3012



23.7831, 0.3377, 0.2256



23.7831, 0.4864, 0.3196

Sweetspot

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



23.7850, 0.2662, 0.4784



50.7333, 0.2865, 0.3661



24.3894, 0.3310, 0.5754



11.3046, 0.2835, 0.3717



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.



23.7850, 0.2662, 0.4784



43.1643, 0.2671, 0.4815



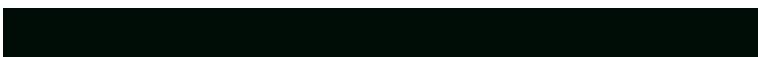
22.9854, 0.2204, 0.3136



6.9804, 0.3045, 0.3390



19.3840, 0.2659, 0.4771



0.2971, 0.2465, 0.4074

Inverse Universe

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



7.2880, 0.5174, 0.2624



13.2005, 0.5220, 0.2649



7.0378, 0.6356, 0.3335



6.2657, 0.3218, 0.3192



5.9442, 0.5155, 0.2613



0.0960, 0.4206, 0.2091

Previews

White Background



This preview shows how the Yxy color 23.7831, 0.2662, 0.4784 looks on a white background.

Color Contrast Check

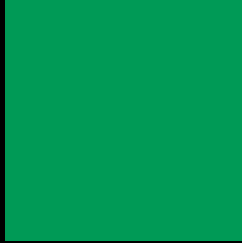
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7831, 0.2662, 0.4784 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 23.7831, 0.2662, 0.4784

Background



This preview shows how black text looks on a background with the Yxy color 23.7831, 0.2662, 0.4784.



This preview shows how white text looks on a background with the Yxy color 23.7831, 0.2662, 0.4784.

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

23.7831, 0.2662, 0.4784

Protanopia

23.4361, 0.3885, 0.4212

Deuteranopia

23.3224, 0.3936, 0.3854



Tritanopia

23.8962, 0.2324, 0.3062

Trichromacy



Original Color

23.7831, 0.2662, 0.4784



Protanomaly

21.9710, 0.3188, 0.4511



Deuteranomaly

21.3962, 0.3199, 0.4236



Tritanomaly

23.5359, 0.2416, 0.3636

Monochromacy



Original Color

23.7831, 0.2662, 0.4784



Achromatopsia

12.7438, 0.3127, 0.3290



Achromatomaly

15.3492, 0.2761, 0.3890

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7831, 0.2662, 0.4784 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, 86)` looks like.

```
.text, #text, p{  
    color:rgb(0, 154, 86)  
}
```

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, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 86) }
```

Border

The CSS property to change the border of an element to Yxy 23.7831, 0.2662, 0.4784 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, 86) }
```

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

```
.border{ border-color:rgb(0, 154, 86) }
```

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, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 86);  
box-shadow:4px 4px 4px 4px rgb(0, 154, 86)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.7831, 0.2662, 0.4784 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, 86) }
```

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

```
.background{ background-color: rgb(0, 154,  
86) }
```

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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