

Converting Colors

$Y_{xy}(27.4394, 0.1961, 0.5062)$

Have a look what the booklet for
Yxy(27.4394, 0.1961, 0.5062)
contains.

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Color

$\text{Yxy}(30.7502, 0.2664, 0.4790)$

Conversions

Conversions Part 1

Format	Color
Hex	00AD61
RGB	0, 173, 97
RGB Percent	0%, 68%, 38%
CMY	0.9997, 0.3216, 0.6196
CMYK	1.00, 0.00, 0.44, 0.32
HSL	154°, 100%, 34%
HSV	154°, 100%, 68%
XYZ	17.1020, 30.7502, 16.3445
YIQ	112.6090, -78.7120, -60.3120

Conversions

Conversions Part 2

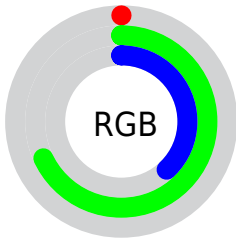
Format	Color
RYB	0, 111, 173
Decimal	44385
CIELab	62.30, -55.21, 28.70
CIELCh	62, 62.223, 152.531
Yxy	30.7502, 0.2664, 0.4790
Android (android.graphics.Color)	4278234465 (0xFF00AD61)
YUV	112.6090, -7.6952, -98.7581
Hunter-Lab	55.4529, -41.9921, 21.3416

Details

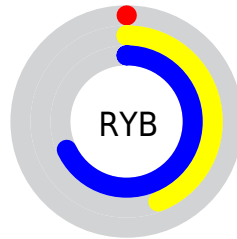
The Yxy color **30.7502, 0.2664, 0.4790** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **9.4087, 0.5203, 0.2640**, and the grayscale version is **16.4394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0389, 0.2776, 0.4443**, and **13.4154, 0.2784, 0.5223** is the 20% darker color. If you saturate the color by 10%, you get **30.7504, 0.2664, 0.4791**, and if you desaturate by 10%, it is **31.0223, 0.2642, 0.4627**.

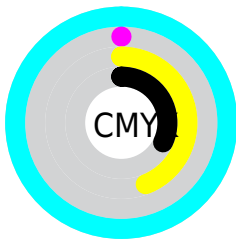
Distribution



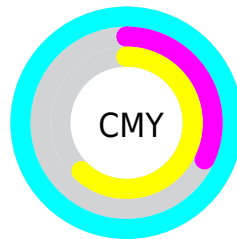
- Red (0%)
- Green (68%)
- Blue (38%)



- Red (0%)
- Yellow (44%)
- Blue (68%)



- Cyan (100%)
- Magenta (0%)
- Yellow (44%)
- Black (32%)




- Cyan (100%)
- Magenta (32%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.7502, 0.2664, 0.4790 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 30.7502, 0.2664, 0.4790 by changing the saturation by 10% instead.

 30.7502, 0.2664,
0.4790

 30.7502, 0.2664,
0.4790


305.3858, 0.2944,
0.3927

 20.4087, 0.2574,
0.5049


 60.8466, 0.2780,
0.4446

 12.6925, 0.2443,
0.5409


 81.3702, 0.2819,
0.4326


 7.2171, 0.2240,
0.5940


 106.0568, 0.2850,
0.4229

 3.5983, 0.1907,
0.6805

 135.2905, 0.2876,
0.4148

 1.4515, 0.0000,
1.0000

 169.4559, 0.2897,
0.4080

 0.2542, 0.0000,
1.0000

 208.9373, 0.2915,

 0.0000, 0.0000,

0.4022

0.0000

254.1192, 0.2930,
0.3971

■ 30.7502, 0.2664,
0.4790

■ 30.7502, 0.2664,
0.4790

■ 30.7504, 0.2664,
0.4791

■ 31.0223, 0.2642,
0.4627

■ 31.4140, 0.2635,
0.4459

■ 31.9687, 0.2648,
0.4288

■ 32.7062, 0.2680,
0.4119

■ 33.6433, 0.2729,
0.3956

■ 34.7949, 0.2792,
0.3800

■ 36.1744, 0.2867,
0.3654

■ 37.7941, 0.2949,
0.3521

■ 39.6653, 0.3037,
0.3399

Harmonies

Analogous

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



30.7502, 0.3575, 0.5145



30.7502, 0.2664, 0.4790



30.7502, 0.1931, 0.3741

Triad

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



30.7502, 0.2664, 0.4790



30.7502, 0.1815, 0.1864



30.7502, 0.5005, 0.3414

Complementary

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



30.7502, 0.2664, 0.4790



9.4087, 0.5203, 0.2640

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.



30.7502, 0.4382, 0.2776



30.7502, 0.2664, 0.4790



30.7502, 0.2438, 0.1931

Square

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



30.7502, 0.2664, 0.4790



30.7502, 0.1525, 0.2095



30.7502, 0.3373, 0.2253



30.7502, 0.4978, 0.4100

Rectangle

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



30.7502, 0.2664, 0.4790



30.7502, 0.1637, 0.3015



30.7502, 0.3373, 0.2253



30.7502, 0.4865, 0.3194

Sweetspot

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



30.7514, 0.2664, 0.4790



64.6345, 0.2862, 0.3662



31.5030, 0.3304, 0.5758



13.8191, 0.2831, 0.3721



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.7514, 0.2664, 0.4790



55.0274, 0.2672, 0.4818



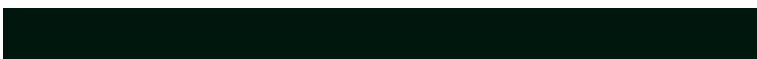
29.6959, 0.2204, 0.3134



9.0117, 0.3043, 0.3391



22.6019, 0.2659, 0.4773



0.6395, 0.2520, 0.4274

Inverse Universe

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



9.4087, 0.5203, 0.2640



16.8047, 0.5245, 0.2663



9.0738, 0.6361, 0.3331



8.0716, 0.3220, 0.3191



6.9215, 0.5178, 0.2626



0.2037, 0.4436, 0.2217

Previews

White Background



This preview shows how the Yxy color 30.7502, 0.2664, 0.4790 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.7502, 0.2664, 0.4790 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.7502, 0.2664, 0.4790

Background



This preview shows how black text looks on a background with the Yxy color 30.7502, 0.2664, 0.4790.



This preview shows how white text looks on a background with the Yxy color 30.7502, 0.2664, 0.4790.

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

30.7502, 0.2664, 0.4790

Protanopia

30.4098, 0.3885, 0.4223

Deuteranopia

30.1094, 0.3929, 0.3856



Tritanopia

30.8152, 0.2322, 0.3068

Trichromacy



Original Color

30.7502, 0.2664, 0.4790



Protanomaly

28.1521, 0.3184, 0.4521



Deuteranomaly

27.5615, 0.3196, 0.4252



Tritanomaly

30.2470, 0.2416, 0.3639

Monochromacy



Original Color

30.7502, 0.2664, 0.4790



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

19.7672, 0.2757, 0.3895

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7502, 0.2664, 0.4790 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, 173, 97)` looks like.

```
.text, #text, p{  
    color:rgb(0, 173, 97)  
}
```

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, 173, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 173, 97) }
```

Border

The CSS property to change the border of an element to Yxy 30.7502, 0.2664, 0.4790 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, 173, 97) }
```

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

```
.border{ border-color:rgb(0, 173, 97) }
```

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

Here you see how a box with a 4 pixel rgb(0, 173, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 173, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 173, 97);  
box-shadow:4px 4px 4px 4px rgb(0, 173, 97)  
}
```


Background

The CSS property to change the background color of an element to Yxy 30.7502, 0.2664, 0.4790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 173, 97) }
```

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

```
.background{ background-color: rgb(0, 173,  
97) }
```

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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