

Converting Colors

$Yxy(30.6687, 0.2563, 0.4426)$

Have a look what the booklet for
Yxy(30.6687, 0.2563, 0.4426)
contains.

Yxy(30.7200, 0.2563, 0.4425)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.7200, 0.2563, 0.4425)

Conversions

Conversions Part 1

Format	Color
Hex	00AC72
RGB	0, 172, 114
RGB Percent	0%, 67%, 45%
CMY	0.9984, 0.3255, 0.5529
CMYK	1.00, 0.00, 0.34, 0.33
HSL	160°, 100%, 34%
HSV	160°, 100%, 67%
XYZ	17.7933, 30.7200, 20.9104
YIQ	113.9600, -83.8940, -54.5020

Conversions

Conversions Part 2

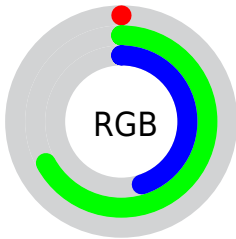
Format	Color
RYB	0, 103, 172
Decimal	44146
CIELab	62.27, -51.34, 19.56
CIELCh	62, 54.944, 159.145
Yxy	30.7200, 0.2563, 0.4425
Android (android.graphics.Color)	4278234226 (0xFF00AC72)
YUV	113.9600, 0.0197, -99.9429
Hunter-Lab	55.4256, -39.6909, 16.4296

Details

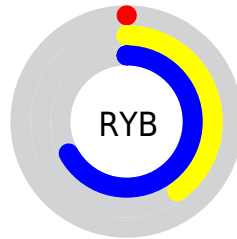
The Yxy color **30.7200, 0.2563, 0.4425** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **9.0886, 0.5603, 0.2862**, and the grayscale version is **16.8708, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5153, 0.2688, 0.4166**, and **13.3502, 0.2651, 0.4743** is the 20% darker color. If you saturate the color by 10%, you get **30.7155, 0.2563, 0.4428**, and if you desaturate by 10%, it is **30.9801, 0.2549, 0.4298**.

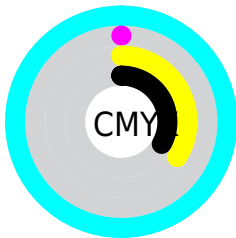
Distribution



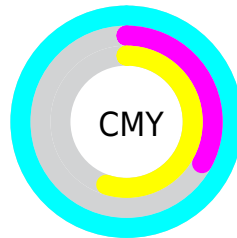
- Red (0%)
- Green (67%)
- Blue (45%)



- Red (0%)
- Yellow (40%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (34%)
- Black (33%)



- Cyan (100%)
- Magenta (33%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7200, 0.2563, 0.4425 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 30.7200, 0.2563, 0.4425 by changing the saturation by 10% instead.


 30.7200, 0.2563,
0.4425


 30.7200, 0.2563,
0.4425


305.2463, 0.2882,
0.3780


 20.3857, 0.2469,
0.4617


 60.7990, 0.2689,
0.4169

 12.6757, 0.2338,
0.4885


 81.3125, 0.2733,
0.4080

 7.2056, 0.2145,
0.5281


 105.9878, 0.2770,
0.4007

 3.5910, 0.1838,
0.5918

 135.2094, 0.2800,
0.3946

 1.4475, 0.0236,
0.9065

 169.3617, 0.2825,
0.3895

 0.2514, 0.0000,
1.0000

 208.8290, 0.2847,

 0.0000, 0.0000,

0.3851

0.0000

253.9957, 0.2866,
0.3813

■ 30.7200, 0.2563,
0.4425

■ 30.7200, 0.2563,
0.4425

■ 30.7155, 0.2563,
0.4428

■ 30.9801, 0.2549,
0.4298

■ 31.3543, 0.2551,
0.4170

■ 31.8845, 0.2572,
0.4041

■ 32.5898, 0.2613,
0.3915

■ 33.4865, 0.2671,
0.3792

■ 34.5891, 0.2744,
0.3675

■ 35.9106, 0.2830,
0.3566

■ 37.4629, 0.2924,
0.3464

■ 39.2571, 0.3025,
0.3372

Harmonies

Analogous

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



30.7200, 0.3373, 0.4913



30.7200, 0.2563, 0.4425



30.7200, 0.1953, 0.3477

Triad

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



30.7200, 0.2563, 0.4425



30.7200, 0.2042, 0.1989



30.7200, 0.4842, 0.3566

Complementary

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



30.7200, 0.2563, 0.4425



9.0886, 0.5603, 0.2862

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.



30.7200, 0.4402, 0.2961



30.7200, 0.2563, 0.4425



30.7200, 0.2681, 0.2103

Square

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



30.7200, 0.2563, 0.4425



30.7200, 0.1705, 0.2146



30.7200, 0.3556, 0.2446



30.7200, 0.4720, 0.4194

Rectangle

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



30.7200, 0.2563, 0.4425



30.7200, 0.1727, 0.2879



30.7200, 0.3556, 0.2446



30.7200, 0.4757, 0.3358

Sweetspot

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



30.7212, 0.2563, 0.4425



64.9502, 0.2823, 0.3574



30.4797, 0.3192, 0.5845



13.8951, 0.2787, 0.3618



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.



30.7212, 0.2563, 0.4425



55.6823, 0.2569, 0.4450



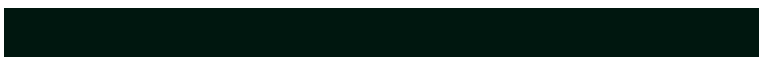
23.6183, 0.2114, 0.2810



9.0254, 0.3030, 0.3368



22.8689, 0.2560, 0.4415



0.6459, 0.2453, 0.4032

Inverse Universe

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



9.0886, 0.5603, 0.2862



16.4310, 0.5655, 0.2889



9.5163, 0.6246, 0.3419



8.0584, 0.3235, 0.3214



6.7645, 0.5583, 0.2849



0.1986, 0.4735, 0.2382

Previews

White Background



This preview shows how the Yxy color 30.7200, 0.2563, 0.4425 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 30.7200, 0.2563, 0.4425 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 30.7200, 0.2563, 0.4425

Background



This preview shows how black text looks on a background with the Yxy color 30.7200, 0.2563, 0.4425.



This preview shows how white text looks on a background with the Yxy color 30.7200, 0.2563, 0.4425.

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

30.7200, 0.2563, 0.4425

Protanopia

30.0714, 0.3704, 0.3986

Deuteranopia

30.3013, 0.3708, 0.3646



Tritanopia

30.6859, 0.2306, 0.3067

Trichromacy



Original Color

30.7200, 0.2563, 0.4425



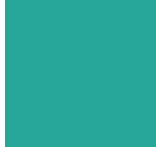
Protanomaly

28.0802, 0.3040, 0.4193



Deuteranomaly

27.7987, 0.3030, 0.3940



Tritanomaly

30.3826, 0.2373, 0.3525

Monochromacy



Original Color

30.7200, 0.2563, 0.4425



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

19.9593, 0.2705, 0.3736

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7200, 0.2563, 0.4425 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, 172, 114)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 114)  
}
```

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, 172, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 114) }
```

Border

The CSS property to change the border of an element to Yxy 30.7200, 0.2563, 0.4425 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, 172, 114) }
```

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

```
.border{ border-color:rgb(0, 172, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 172, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 114);  
box-shadow:4px 4px 4px 4px rgb(0, 172,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7200, 0.2563, 0.4425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 172, 114) }
```

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

```
.background{ background-color: rgb(0, 172,  
114) }
```

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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