

Converting Colors

$Y_{xy}(27.8316, 0.2073, 0.4304)$

Have a look what the booklet for
Yxy(27.8316, 0.2073, 0.4304)
contains.

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Color

Yxy(30.1795, 0.2502, 0.4206)

Conversions

Conversions Part 1

Format	Color
Hex	00AA7B
RGB	0, 170, 123
RGB Percent	0%, 67%, 48%
CMY	0.9990, 0.3333, 0.5176
CMYK	1.00, 0.00, 0.28, 0.33
HSL	163°, 100%, 33%
HSV	163°, 100%, 67%
XYZ	17.9527, 30.1795, 23.6212
YIQ	113.8120, -86.2330, -50.6570

Conversions

Conversions Part 2

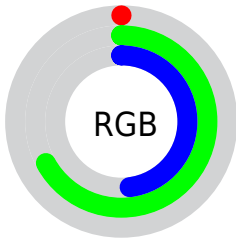
Format	Color
RYB	0, 99, 170
Decimal	43643
CIELab	61.81, -48.50, 13.98
CIELCh	62, 50.477, 163.922
Yxy	30.1795, 0.2502, 0.4206
Android (android.graphics.Color)	4278233723 (0xFF00AA7B)
YUV	113.8120, 4.5297, -99.8131
Hunter-Lab	54.9359, -37.8050, 12.9617

Details

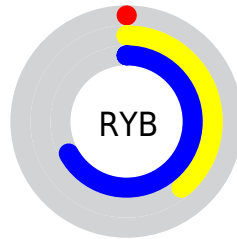
The Yxy color **30.1795, 0.2502, 0.4206** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.7589, 0.5823, 0.2983**, and the grayscale version is **16.7985, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.8026, 0.2633, 0.3992**, and **12.9852, 0.2575, 0.4469** is the 20% darker color. If you saturate the color by 10%, you get **30.1771, 0.2502, 0.4208**, and if you desaturate by 10%, it is **30.4213, 0.2494, 0.4104**.

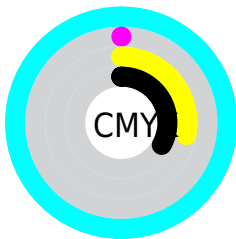
Distribution



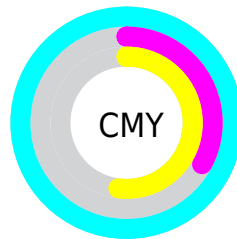
- Red (0%)
- Green (67%)
- Blue (48%)



- Red (0%)
- Yellow (39%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (33%)





- Cyan (100%)
- Magenta (33%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.1795, 0.2502, 0.4206 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 30.1795, 0.2502, 0.4206 by changing the saturation by 10% instead.


 30.1795, 0.2502,
0.4206


 30.1795, 0.2502,
0.4206


 302.7402, 0.2848,
0.3690


 19.9749, 0.2403,
0.4358


 59.9459, 0.2636,
0.4002

 12.3768, 0.2269,
0.4570


 80.2765, 0.2684,
0.3931


 7.0008, 0.2074,
0.4882


 104.7512, 0.2723,
0.3872

 3.4626, 0.1773,
0.5385

 133.7544, 0.2756,
0.3824

 1.3778, 0.0311,
0.7319

 167.6706, 0.2784,
0.3782

 0.2002, 0.0000,
1.0000

 206.8840, 0.2808,

 0.0000, 0.0000,

0.3747

0.0000

251.7791, 0.2829,
0.3716

■ 30.1795, 0.2502,
0.4206

■ 30.1795, 0.2502,
0.4206

■ 30.1771, 0.2502,
0.4208

■ 30.4213, 0.2494,
0.4104

■ 30.7708, 0.2501,
0.4001

■ 31.2692, 0.2527,
0.3897

■ 31.9352, 0.2573,
0.3796

■ 32.7846, 0.2636,
0.3697

■ 33.8313, 0.2715,
0.3603

■ 35.0880, 0.2806,
0.3515

■ 36.5662, 0.2908,
0.3433

■ 38.2766, 0.3016,
0.3357

Harmonies

Analogous

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



30.1795, 0.3244, 0.4752



30.1795, 0.2502, 0.4206



30.1795, 0.1970, 0.3329

Triad

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



30.1795, 0.2502, 0.4206



30.1795, 0.2190, 0.2071



30.1795, 0.4735, 0.3658

Complementary

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



30.1795, 0.2502, 0.4206



8.7589, 0.5823, 0.2983

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.



30.1795, 0.4403, 0.3077



30.1795, 0.2502, 0.4206



30.1795, 0.2835, 0.2214

Square

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



30.1795, 0.2502, 0.4206



30.1795, 0.1825, 0.2181



30.1795, 0.3663, 0.2570



30.1795, 0.4557, 0.4241

Rectangle

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



30.1795, 0.2502, 0.4206



30.1795, 0.1786, 0.2804



30.1795, 0.3663, 0.2570



30.1795, 0.4682, 0.3460

Sweetspot

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



30.1807, 0.2502, 0.4206



63.4928, 0.2799, 0.3521



29.3863, 0.3131, 0.5894



13.9428, 0.2761, 0.3556



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.



30.1807, 0.2502, 0.4206



54.7163, 0.2507, 0.4226



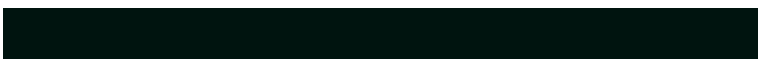
19.7400, 0.2051, 0.2583



8.4961, 0.3022, 0.3353



22.2091, 0.2499, 0.4197



0.5483, 0.2406, 0.3860

Inverse Universe

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



8.7589, 0.5823, 0.2983



15.8473, 0.5872, 0.3008



9.8721, 0.6132, 0.3511



7.5752, 0.3244, 0.3228



6.4463, 0.5800, 0.2969



0.1653, 0.4892, 0.2468

Previews

White Background



This preview shows how the Yxy color 30.1795, 0.2502, 0.4206 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 30.1795, 0.2502, 0.4206 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 30.1795, 0.2502, 0.4206

Background



This preview shows how black text looks on a background with the Yxy color 30.1795, 0.2502, 0.4206.



This preview shows how white text looks on a background with the Yxy color 30.1795, 0.2502, 0.4206.

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

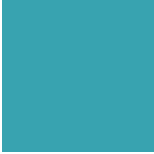
30.1795, 0.2502, 0.4206

Protanopia

29.7430, 0.3596, 0.3837

Deuteranopia

29.7759, 0.3570, 0.3501



Tritanopia

30.1697, 0.2292, 0.3065

Trichromacy



Original Color

30.1795, 0.2502, 0.4206



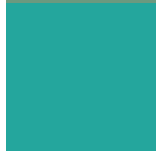
Protanomaly

27.8280, 0.2948, 0.4009



Deuteranomaly

27.5029, 0.2926, 0.3759



Tritanomaly

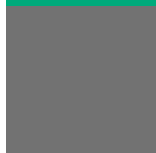
30.0818, 0.2346, 0.3451

Monochromacy



Original Color

30.1795, 0.2502, 0.4206



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

19.7510, 0.2677, 0.3650

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1795, 0.2502, 0.4206 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, 170, 123)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 123)  
}
```

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, 170, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 123) }
```

Border

The CSS property to change the border of an element to Yxy 30.1795, 0.2502, 0.4206 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, 170, 123) }
```

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

```
.border{ border-color:rgb(0, 170, 123) }
```

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

Here you see how a box with a 4 pixel rgb(0, 170, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 123);  
box-shadow:4px 4px 4px 4px rgb(0, 170,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1795, 0.2502, 0.4206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 170, 123) }
```

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

```
.background{ background-color: rgb(0, 170,  
123) }
```

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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