

Converting Colors

$Yxy(24.8441, 0.1821, 0.3404)$

Have a look what the booklet for
Yxy(24.8441, 0.1821, 0.3404)
contains.

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Color

Yxy(27.4747, 0.2278, 0.3401)

Conversions

Conversions Part 1

Format	Color
Hex	00A09A
RGB	0, 160, 154
RGB Percent	0%, 63%, 60%
CMY	1.0000, 0.3725, 0.3961
CMYK	1.00, 0.00, 0.04, 0.37
HSL	178°, 100%, 31%
HSV	178°, 100%, 63%
XYZ	18.4026, 27.4747, 34.9068
YIQ	111.4760, -93.4340, -35.7860

Conversions

Conversions Part 2

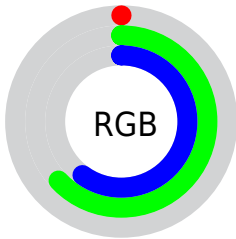
Format	Color
RYB	0, 82, 160
Decimal	41114
CIELab	59.41, -35.79, -6.86
CIELCh	59, 36.443, 190.855
Yxy	27.4747, 0.2278, 0.3401
Android (android.graphics.Color)	4278231194 (0xFF00A09A)
YUV	111.4760, 20.9643, -97.7645
Hunter-Lab	52.4163, -29.0597, -2.7930

Details

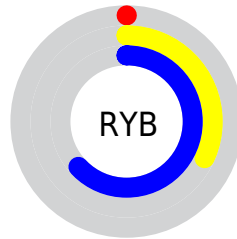
The Yxy color **27.4747, 0.2278, 0.3401** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.4872, 0.6354, 0.3274**, and the grayscale version is **16.0010, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.4303, 0.2448, 0.3384**, and **11.7044, 0.2284, 0.3423** is the 20% darker color. If you saturate the color by 10%, you get **27.4764, 0.2278, 0.3401**, and if you desaturate by 10%, it is **27.6066, 0.2292, 0.3389**.

Distribution



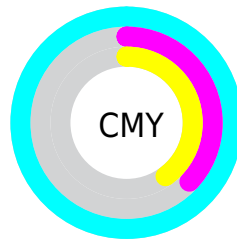
- Red (0%)
- Green (63%)
- Blue (60%)



- Red (0%)
- Yellow (32%)
- Blue (63%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (37%)



- Cyan (100%)
- Magenta (37%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.4747, 0.2278, 0.3401 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 27.4747, 0.2278, 0.3401 by changing the saturation by 10% instead.


 27.4747, 0.2278,
0.3401


 27.4747, 0.2278,
0.3401


 289.9482, 0.2729,
0.3352


 17.9301, 0.2157,
0.3410


 55.6447, 0.2448,
0.3385

 10.8998, 0.1997,
0.3419


 75.0388, 0.2510,
0.3378

 5.9995, 0.1776,
0.3425

 98.4849, 0.2562,
0.3373

 2.8448, 0.1458,
0.3419

 126.3673, 0.2606,
0.3367

 1.0512, 0.0397,
0.3577

 159.0704, 0.2643,
0.3363

 0.0000, 0.0000,
0.0000

 196.9787, 0.2676,

0.3359

240.4765, 0.2704,
0.3355

■ 27.4747, 0.2278,
0.3401

■ 27.4747, 0.2278,
0.3401

■ 27.4764, 0.2278,
0.3401

■ 27.6066, 0.2292,
0.3389

■ 27.8237, 0.2318,
0.3377

■ 28.1652, 0.2363,
0.3365

■ 28.6472, 0.2425,
0.3353

■ 29.2832, 0.2506,
0.3341

■ 30.0851, 0.2605,
0.3330

■ 31.0637, 0.2718,
0.3319

■ 32.2290, 0.2845,
0.3308

■ 33.5900, 0.2982,
0.3299

Harmonies

Analogous

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



27.4747, 0.2723, 0.4009



27.4747, 0.2278, 0.3401



27.4747, 0.2062, 0.2831

Triad

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



27.4747, 0.2278, 0.3401



27.4747, 0.2857, 0.2431



27.4747, 0.4251, 0.4013

Complementary

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



27.4747, 0.2278, 0.3401



7.4872, 0.6354, 0.3274

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.



27.4747, 0.4324, 0.3563



27.4747, 0.2278, 0.3401



27.4747, 0.3472, 0.2700

Square

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



27.4747, 0.2278, 0.3401



27.4747, 0.2370, 0.2342



27.4747, 0.4031, 0.3100



27.4747, 0.3866, 0.4337

Rectangle

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



27.4747, 0.2278, 0.3401



27.4747, 0.2058, 0.2562



27.4747, 0.4031, 0.3100



27.4747, 0.4315, 0.3870

Sweetspot

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



27.4764, 0.2278, 0.3401



56.2877, 0.2711, 0.3319



25.1947, 0.3013, 0.5990



12.1840, 0.2665, 0.3324



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



27.4764, 0.2278, 0.3401



49.8793, 0.2279, 0.3403



9.5181, 0.1824, 0.1765



7.5052, 0.2993, 0.3298



21.4039, 0.2278, 0.3400



0.3839, 0.2264, 0.3351

Inverse Universe

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



7.4872, 0.6354, 0.3274



13.5871, 0.6367, 0.3281



12.1090, 0.5536, 0.3986



6.6500, 0.3278, 0.3282



5.8335, 0.6347, 0.3270



0.1054, 0.6096, 0.3132

Previews

White Background



This preview shows how the Yxy color 27.4747, 0.2278, 0.3401 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 27.4747, 0.2278, 0.3401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

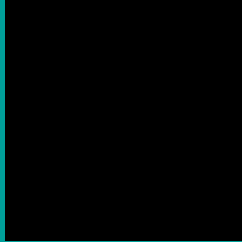
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.4747, 0.2278, 0.3401

Background



This preview shows how black text looks on a background with the Yxy color 27.4747, 0.2278, 0.3401.



This preview shows how white text looks on a background with the Yxy color 27.4747, 0.2278, 0.3401.

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

27.4747, 0.2278, 0.3401

Protanopia

27.2585, 0.3139, 0.3274

Deuteranopia

26.9761, 0.3025, 0.2961



Tritanopia

27.6961, 0.2234, 0.3072

Trichromacy



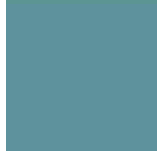
Original Color

27.4747, 0.2278, 0.3401



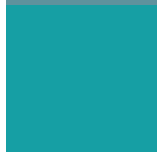
Protanomaly

25.8768, 0.2625, 0.3325



Deuteranomaly

25.3718, 0.2557, 0.3093



Tritanomaly

27.6472, 0.2246, 0.3196

Monochromacy



Original Color

27.4747, 0.2278, 0.3401



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

18.5724, 0.2561, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.4747, 0.2278, 0.3401 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, 160, 154)` looks like.

```
.text, #text, p{  
  color:rgb(0, 160, 154)  
}
```

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, 160, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 160, 154) }
```

Border

The CSS property to change the border of an element to Yxy 27.4747, 0.2278, 0.3401 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, 160, 154) }
```

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

```
.border{ border-color:rgb(0, 160, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 160, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 160, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 160, 154);  
box-shadow:4px 4px 4px 4px rgb(0, 160,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 27.4747, 0.2278, 0.3401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 160, 154) }
```

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

```
.background{ background-color: rgb(0, 160,  
154) }
```

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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