

Converting Colors

$Yxy(29.3753, 0.2330, 0.3588)$

Have a look what the booklet for
Yxy(29.3753, 0.2330, 0.3588)
contains.

Yxy(29.4744, 0.2330, 0.3588)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.4744, 0.2330, 0.3588)

Conversions

Conversions Part 1

Format	Color
Hex	00A696
RGB	0, 166, 150
RGB Percent	0%, 65%, 59%
CMY	1.0000, 0.3490, 0.4118
CMYK	1.00, 0.00, 0.10, 0.35
HSL	174°, 100%, 33%
HSV	174°, 100%, 65%
XYZ	19.1403, 29.4744, 33.5325
YIQ	114.5420, -93.8000, -40.1680

Conversions

Conversions Part 2

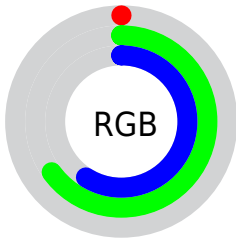
Format	Color
RYB	0, 87, 166
Decimal	42646
CIELab	61.20, -39.68, -1.96
CIELCh	61, 39.727, 182.830
Yxy	29.4744, 0.2330, 0.3588
Android (android.graphics.Color)	4278232726 (0xFF00A696)
YUV	114.5420, 17.4808, -100.4533
Hunter-Lab	54.2903, -32.0771, 1.3827

Details

The Yxy color **29.4744, 0.2330, 0.3588** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.1449, 0.6279, 0.3233**, and the grayscale version is **16.9667, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.9293, 0.2490, 0.3533**, and **12.7111, 0.2351, 0.3664** is the 20% darker color. If you saturate the color by 10%, you get **29.4758, 0.2330, 0.3588**, and if you desaturate by 10%, it is **29.6432, 0.2339, 0.3556**.

Distribution



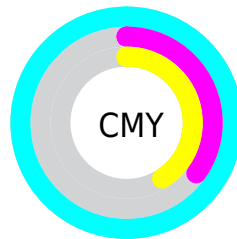
- Red (0%)
- Green (65%)
- Blue (59%)



- Red (0%)
- Yellow (34%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (35%)



- Cyan (100%)
- Magenta (35%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.4744, 0.2330, 0.3588 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 29.4744, 0.2330, 0.3588 by changing the saturation by 10% instead.


 29.4744, 0.2330,
0.3588


 29.4744, 0.2330,
0.3588


299.4468, 0.2753,
0.3433


 19.4400, 0.2217,
0.3628


 58.8300, 0.2489,
0.3530

 11.9886, 0.2067,
0.3681


 78.9199, 0.2548,
0.3509


 6.7359, 0.1860,
0.3752


 103.1305, 0.2596,
0.3491

 3.2975, 0.1560,
0.3851

 131.8461, 0.2637,
0.3476

 1.2890, 0.0679,
0.4177

 165.4512, 0.2672,
0.3463

 0.1326, 0.0000,
0.3202

 204.3300, 0.2703,

 0.0000, 0.0000,

0.3451

0.0000

248.8671, 0.2729,
0.3441

■ 29.4744, 0.2330,
0.3588

■ 29.4744, 0.2330,
0.3588

■ 29.4758, 0.2330,
0.3588

■ 29.6432, 0.2339,
0.3556

■ 29.9070, 0.2361,
0.3523

■ 30.3068, 0.2401,
0.3491

■ 30.8600, 0.2459,
0.3458

■ 31.5816, 0.2536,
0.3426

■ 32.4847, 0.2630,
0.3396

■ 33.5812, 0.2739,
0.3366

■ 34.8817, 0.2859,
0.3339

■ 36.3964, 0.2990,
0.3313

Harmonies

Analogous

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



29.4744, 0.2851, 0.4201



29.4744, 0.2330, 0.3588



29.4744, 0.2036, 0.2941

Triad

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



29.4744, 0.2330, 0.3588



29.4744, 0.2682, 0.2338



29.4744, 0.4378, 0.3928

Complementary

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



29.4744, 0.2330, 0.3588



8.1449, 0.6279, 0.3233

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.



29.4744, 0.4355, 0.3440



29.4744, 0.2330, 0.3588



29.4744, 0.3313, 0.2575

Square

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



29.4744, 0.2330, 0.3588



29.4744, 0.2224, 0.2299



29.4744, 0.3950, 0.2964



29.4744, 0.4042, 0.4329

Rectangle

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



29.4744, 0.2330, 0.3588



29.4744, 0.1985, 0.2615



29.4744, 0.3950, 0.2964



29.4744, 0.4415, 0.3769

Sweetspot

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



29.4758, 0.2330, 0.3588



60.8229, 0.2732, 0.3368



27.3894, 0.3026, 0.5979



13.4225, 0.2687, 0.3380



84.8088, 0.3127, 0.3290



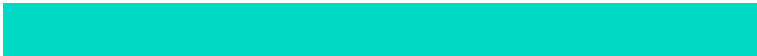
15.4872, 0.3127, 0.3290

Same Dimension

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



29.4758, 0.2330, 0.3588



53.4756, 0.2332, 0.3594



11.7916, 0.1871, 0.1935



8.5194, 0.2999, 0.3312



22.8596, 0.2329, 0.3585



0.5596, 0.2299, 0.3478

Inverse Universe

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



8.1449, 0.6279, 0.3233



14.7672, 0.6304, 0.3247



12.0510, 0.5683, 0.3870



7.5536, 0.3271, 0.3269



6.3190, 0.6266, 0.3225



0.1573, 0.5743, 0.2937

Previews

White Background



This preview shows how the Yxy color 29.4744, 0.2330, 0.3588 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 29.4744, 0.2330, 0.3588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

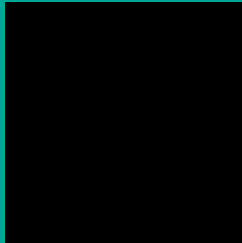
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.4744, 0.2330, 0.3588

Background



This preview shows how black text looks on a background with the Yxy color 29.4744, 0.2330, 0.3588.

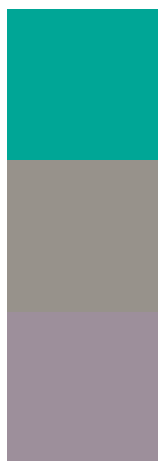


This preview shows how white text looks on a background with the Yxy color 29.4744, 0.2330, 0.3588.

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

29.4744, 0.2330, 0.3588

Protanopia

29.0012, 0.3249, 0.3401

Deuteranopia

29.1796, 0.3157, 0.3107



Tritanopia

29.4280, 0.2248, 0.3061

Trichromacy



Original Color

29.4744, 0.2330, 0.3588



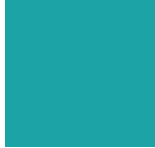
Protanomaly

27.2524, 0.2695, 0.3469



Deuteranomaly

27.1425, 0.2646, 0.3253



Tritanomaly

29.1806, 0.2264, 0.3233

Monochromacy



Original Color

29.4744, 0.2330, 0.3588



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

20.0252, 0.2585, 0.3412

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4744, 0.2330, 0.3588 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, 166, 150)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 150)  
}
```

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, 166, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 150) }
```

Border

The CSS property to change the border of an element to Yxy 29.4744, 0.2330, 0.3588 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, 166, 150) }
```

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

```
.border{ border-color:rgb(0, 166, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 166, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 150);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4744, 0.2330, 0.3588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 150) }
```

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

```
.background{ background-color: rgb(0, 166,  
150) }
```

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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