

Converting Colors

$Yxy(28.5868, 0.2197, 0.3520)$

Have a look what the booklet for
Yxy(28.5868, 0.2197, 0.3520)
contains.

Yxy(29.2102, 0.2309, 0.3512)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(29.2102, 0.2309, 0.3512)$

Conversions

Conversions Part 1

Format	Color
Hex	00A599
RGB	0, 165, 153
RGB Percent	0%, 65%, 60%
CMY	0.9997, 0.3529, 0.4000
CMYK	1.00, 0.00, 0.07, 0.35
HSL	176°, 100%, 32%
HSV	176°, 100%, 65%
XYZ	19.2045, 29.2102, 34.7578
YIQ	114.2970, -94.4880, -38.7120

Conversions

Conversions Part 2

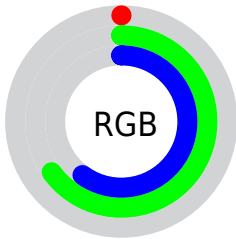
Format	Color
RYB	0, 86, 165
Decimal	42393
CIELab	60.97, -38.35, -3.99
CIELCh	61, 38.561, 185.933
Yxy	29.2102, 0.2309, 0.3512
Android (android.graphics.Color)	4278232473 (0xFF00A599)
YUV	114.2970, 19.0806, -100.2385
Hunter-Lab	54.0465, -31.1542, -0.2975

Details

The Yxy color **29.2102, 0.2309, 0.3512** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.0279, 0.6312, 0.3251**, and the grayscale version is **16.8904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.5451, 0.2474, 0.3478**, and **12.5477, 0.2321, 0.3555** is the 20% darker color. If you saturate the color by 10%, you get **29.2107, 0.2309, 0.3512**, and if you desaturate by 10%, it is **29.3660, 0.2320, 0.3488**.

Distribution



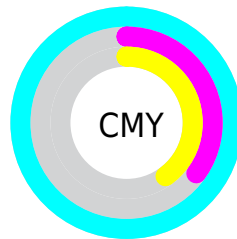
- Red (0%)
- Green (65%)
- Blue (60%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (35%)





- Cyan (100%)
- Magenta (35%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.2102, 0.2309, 0.3512 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 29.2102, 0.2309, 0.3512 by changing the saturation by 10% instead.


 29.2102, 0.2309,
0.3512


 29.2102, 0.2309,
0.3512


298.2055, 0.2742,
0.3400


 19.2399, 0.2193,
0.3540


 58.4109, 0.2472,
0.3471


 11.8437, 0.2041,
0.3574


 78.4101, 0.2531,
0.3456


 6.6374, 0.1831,
0.3618


 102.5210, 0.2581,
0.3443

 3.2364, 0.1528,
0.3673

 131.1280, 0.2623,
0.3432

 1.2563, 0.0675,
0.3896

 164.6156, 0.2659,
0.3422

 0.1070, 0.0000,
0.2131

 203.3681, 0.2690,

 0.0000, 0.0000,

0.3414

0.0000

247.7699, 0.2718,
0.3407

■ 29.2102, 0.2309,
0.3512

■ 29.2102, 0.2309,
0.3512

■ 29.2107, 0.2309,
0.3512

■ 29.3660, 0.2320,
0.3488

■ 29.6156, 0.2343,
0.3464

■ 29.9990, 0.2385,
0.3440

■ 30.5336, 0.2446,
0.3416

■ 31.2340, 0.2524,
0.3392

■ 32.1130, 0.2620,
0.3369

■ 33.1824, 0.2731,
0.3347

■ 34.4527, 0.2854,
0.3327

■ 35.9339, 0.2987,
0.3307

Harmonies

Analogous

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



29.2102, 0.2800, 0.4124



29.2102, 0.2309, 0.3512



29.2102, 0.2046, 0.2896

Triad

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



29.2102, 0.2309, 0.3512



29.2102, 0.2751, 0.2375



29.2102, 0.4327, 0.3962

Complementary

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



29.2102, 0.2309, 0.3512



8.0279, 0.6312, 0.3251

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.



29.2102, 0.4343, 0.3489



29.2102, 0.2309, 0.3512



29.2102, 0.3376, 0.2625

Square

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



29.2102, 0.2309, 0.3512



29.2102, 0.2282, 0.2316



29.2102, 0.3983, 0.3018



29.2102, 0.3972, 0.4333

Rectangle

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



29.2102, 0.2309, 0.3512



29.2102, 0.2014, 0.2593



29.2102, 0.3983, 0.3018



29.2102, 0.4375, 0.3809

Sweetspot

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



29.2113, 0.2309, 0.3512



59.3020, 0.2724, 0.3348



27.0033, 0.3021, 0.5983



12.7903, 0.2678, 0.3357



82.7571, 0.3127, 0.3290



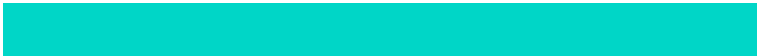
14.7319, 0.3127, 0.3290

Same Dimension

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



29.2113, 0.2309, 0.3512



52.2993, 0.2310, 0.3516



11.1341, 0.1855, 0.1877



8.0023, 0.2997, 0.3306



22.1005, 0.2308, 0.3510



0.4668, 0.2284, 0.3422

Inverse Universe

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



8.0279, 0.6312, 0.3251



14.3625, 0.6334, 0.3263



12.2304, 0.5634, 0.3908



7.0939, 0.3274, 0.3274



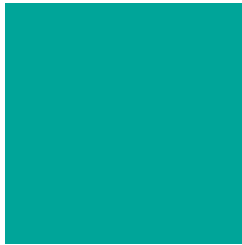
6.0748, 0.6299, 0.3244



0.1300, 0.5863, 0.3004

Previews

White Background



This preview shows how the Yxy color 29.2102, 0.2309, 0.3512 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 29.2102, 0.2309, 0.3512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

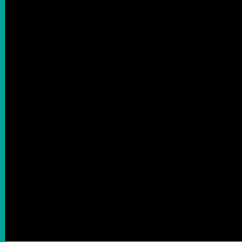
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.2102, 0.2309, 0.3512

Background



This preview shows how black text looks on a background with the Yxy color 29.2102, 0.2309, 0.3512.

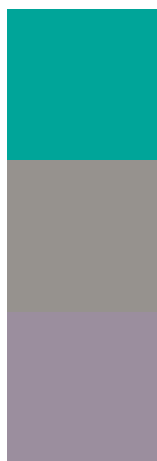


This preview shows how white text looks on a background with the Yxy color 29.2102, 0.2309, 0.3512.

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

29.2102, 0.2309, 0.3512

Protanopia

28.9948, 0.3208, 0.3354

Deuteranopia

28.7832, 0.3107, 0.3046



Tritanopia

29.3671, 0.2240, 0.3061

Trichromacy



Original Color

29.2102, 0.2309, 0.3512



Protanomaly

27.2907, 0.2665, 0.3414



Deuteranomaly

26.8656, 0.2613, 0.3183



Tritanomaly

29.1911, 0.2255, 0.3216

Monochromacy



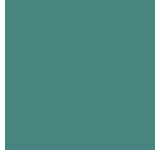
Original Color

29.2102, 0.2309, 0.3512



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

19.7500, 0.2582, 0.3392

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2102, 0.2309, 0.3512 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, 165, 153)` looks like.

```
.text, #text, p{  
    color:rgb(0, 165, 153)  
}
```

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, 165, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 165, 153) }
```

Border

The CSS property to change the border of an element to Yxy 29.2102, 0.2309, 0.3512 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, 165, 153) }
```

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

```
.border{ border-color:rgb(0, 165, 153) }
```

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

Here you see how a box with a 4 pixel rgb(0, 165, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 165, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 165, 153);  
box-shadow:4px 4px 4px 4px rgb(0, 165,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2102, 0.2309, 0.3512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 165, 153) }
```

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

```
.background{ background-color: rgb(0, 165,  
153) }
```

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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