

Converting Colors

$Yxy(29.1011, 0.2350, 0.3596)$

Have a look what the booklet for
Yxy(29.1011, 0.2350, 0.3596)
contains.

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Color

Yxy(29.1585, 0.2353, 0.3608)

Conversions

Conversions Part 1

Format	Color
Hex	10A594
RGB	16, 165, 148
RGB Percent	6%, 65%, 58%
CMY	0.9365, 0.3529, 0.4196
CMYK	0.90, 0.00, 0.10, 0.35
HSL	173°, 82%, 36%
HSV	173°, 90%, 65%
XYZ	19.0161, 29.1585, 32.6417
YIQ	118.5110, -83.3470, -36.8750

Conversions

Conversions Part 2

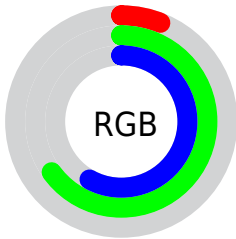
Format	Color
RYB	16, 95, 165
Decimal	1090964
CIELab	60.92, -39.12, -1.23
CIELCh	61, 39.141, 181.804
Yxy	29.1585, 0.2353, 0.3608
Android (android.graphics.Color)	4279281044 (0xFF10A594)
YUV	118.5110, 14.5381, -89.9021
Hunter-Lab	53.9986, -31.6373, 1.9588

Details

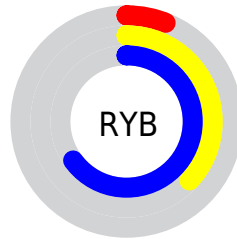
The Yxy color **29.1585, 0.2353, 0.3608** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.4861, 0.5982, 0.3176**, and the grayscale version is **18.2764, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.4640, 0.2509, 0.3548**, and **12.4514, 0.2360, 0.3695** is the 20% darker color. If you saturate the color by 10%, you get **28.9897, 0.2346, 0.3646**, and if you desaturate by 10%, it is **29.4262, 0.2373, 0.3569**.

Distribution



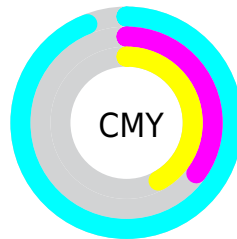
- Red (6%)
- Green (65%)
- Blue (58%)



- Red (6%)
- Yellow (37%)
- Blue (65%)



- Cyan (90%)
- Magenta (0%)
- Yellow (10%)
- Black (35%)





- Cyan (94%)
- Magenta (35%)
- Yellow (42%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 29.1585, 0.2353, 0.3608 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 29.1585, 0.2353, 0.3608 by changing the saturation by 10% instead.


 29.1585, 0.2353,
0.3608


 29.1585, 0.2353,
0.3608


 297.9621, 0.2765,
0.3440


 19.2008, 0.2242,
0.3652


 58.3288, 0.2509,
0.3545

 11.8154, 0.2095,
0.3711

 78.3102, 0.2565,
0.3522


 6.6181, 0.1890,
0.3791


 102.4015, 0.2613,
0.3503

 3.2244, 0.1592,
0.3905

 130.9873, 0.2653,
0.3487

 1.2500, 0.0666,
0.4286

 164.4518, 0.2687,
0.3473

 0.1020, 0.0000,
0.3409

 203.1795, 0.2716,

 0.0000, 0.0000,

0.3460

0.0000

247.5548, 0.2742,
0.3450

■ 29.1585, 0.2353,
0.3608

■ 29.1585, 0.2353,
0.3608

■ 28.9897, 0.2346,
0.3646

■ 29.4262, 0.2373,
0.3569

■ 29.8267, 0.2412,
0.3530

■ 30.3786, 0.2469,
0.3491

■ 31.0966, 0.2544,
0.3453

■ 31.9935, 0.2636,
0.3417

■ 33.0810, 0.2743,
0.3382

■ 34.3699, 0.2862,
0.3349

■ 35.8700, 0.2990,
0.3318

■ 37.5905, 0.3125,
0.3291

Harmonies

Analogous

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



29.1585, 0.2875, 0.4206



29.1585, 0.2353, 0.3608



29.1585, 0.2053, 0.2965

Triad

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



29.1585, 0.2353, 0.3608



29.1585, 0.2668, 0.2342



29.1585, 0.4370, 0.3907

Complementary

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



29.1585, 0.2353, 0.3608



8.4861, 0.5982, 0.3176

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.



29.1585, 0.4333, 0.3422



29.1585, 0.2353, 0.3608



29.1585, 0.3288, 0.2571

Square

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



29.1585, 0.2353, 0.3608



29.1585, 0.2222, 0.2312



29.1585, 0.3921, 0.2953



29.1585, 0.4049, 0.4308

Rectangle

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



29.1585, 0.2353, 0.3608



29.1585, 0.1996, 0.2636



29.1585, 0.3921, 0.2953



29.1585, 0.4402, 0.3749

Sweetspot

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



29.1596, 0.2353, 0.3608



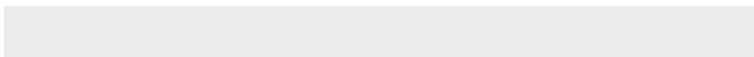
59.8330, 0.2774, 0.3373



27.2801, 0.3053, 0.5868



12.9290, 0.2737, 0.3383



82.7571, 0.3127, 0.3290



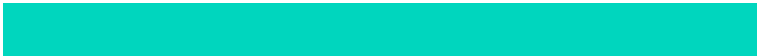
14.7319, 0.3127, 0.3290

Same Dimension

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



29.1596, 0.2353, 0.3608



51.9003, 0.2348, 0.3653



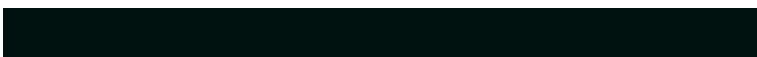
13.5437, 0.1948, 0.2134



7.9973, 0.3002, 0.3316



21.9361, 0.2345, 0.3642



0.4646, 0.2306, 0.3501

Inverse Universe

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



8.4861, 0.5982, 0.3176



14.3942, 0.6276, 0.3231



12.8326, 0.5479, 0.3904



7.0985, 0.3268, 0.3265



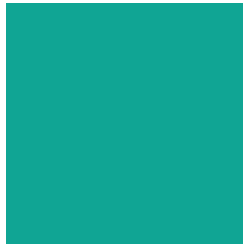
6.0908, 0.6232, 0.3207



0.1316, 0.5607, 0.2862

Previews

White Background



This preview shows how the Yxy color 29.1585, 0.2353, 0.3608 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 29.1585, 0.2353, 0.3608 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 29.1585, 0.2353, 0.3608

Background



This preview shows how black text looks on a background with the Yxy color 29.1585, 0.2353, 0.3608.

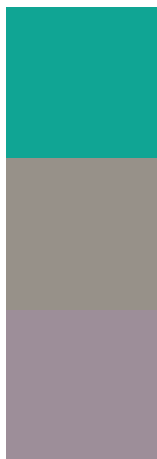


This preview shows how white text looks on a background with the Yxy color 29.1585, 0.2353, 0.3608.

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

29.1585, 0.2353, 0.3608

Protanopia

28.6363, 0.3270, 0.3418

Deuteranopia

28.8140, 0.3178, 0.3122



Tritanopia

29.0812, 0.2254, 0.3060

Trichromacy



Original Color

29.1585, 0.2353, 0.3608



Protanomaly

27.2043, 0.2757, 0.3486



Deuteranomaly

27.1112, 0.2707, 0.3271



Tritanomaly

28.8974, 0.2279, 0.3233

Monochromacy



Original Color

29.1585, 0.2353, 0.3608



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

21.0139, 0.2646, 0.3409

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1585, 0.2353, 0.3608 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(16, 165, 148)` looks like.

```
.text, #text, p{  
    color:rgb(16, 165, 148)  
}
```

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(16, 165, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 165, 148) }
```

Border

The CSS property to change the border of an element to Yxy 29.1585, 0.2353, 0.3608 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(16, 165, 148) }
```

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

```
.border{ border-color:rgb(16, 165, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 165, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 165, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 165, 148);  
box-shadow:4px 4px 4px 4px rgb(16, 165,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1585, 0.2353, 0.3608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 165, 148) }
```

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

```
.background{ background-color: rgb(16, 165,  
148) }
```

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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