

Converting Colors

$Yxy(29.6333, 0.2310, 0.3288)$

Have a look what the booklet for
Yxy(29.6333, 0.2310, 0.3288)
contains.

Yxy(29.6824, 0.2309, 0.3288)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.6824, 0.2309, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	28A4A4
RGB	40, 164, 164
RGB Percent	16%, 64%, 64%
CMY	0.8439, 0.3568, 0.3569
CMYK	0.76, 0.00, 0.00, 0.36
HSL	180°, 61%, 40%
HSV	180°, 76%, 64%
XYZ	20.8445, 29.6824, 39.7481
YIQ	126.9240, -73.9040, -26.2880

Conversions

Conversions Part 2

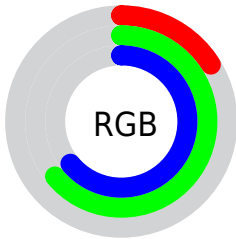
Format	Color
R_{YB}	40, 102, 164
Decimal	2663588
CIE Lab	61.38, -32.01, -9.53
CIE LCh	61, 33.395, 196.574
Yxy	29.6824, 0.2309, 0.3288
Android (android.graphics.Color)	4280853668 (0xFF28A4A4)
YUV	126.9240, 18.2785, -76.2323
Hunter-Lab	54.4816, -27.0491, -5.1191

Details

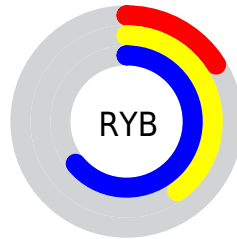
The Yxy color **29.6824, 0.2309, 0.3288** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.5498, 0.5678, 0.3297**, and the grayscale version is **21.1315, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.9033, 0.2466, 0.3288**, and **12.7582, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **29.4232, 0.2273, 0.3288**, and if you desaturate by 10%, it is **30.0830, 0.2363, 0.3288**.

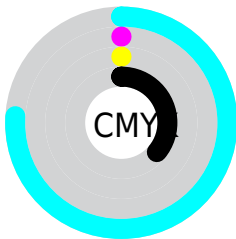
Distribution



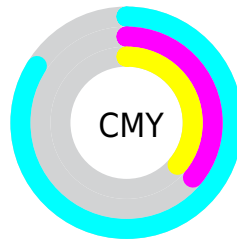
- Red (16%)
- Green (64%)
- Blue (64%)



- Red (16%)
- Yellow (40%)
- Blue (64%)



- Cyan (76%)
- Magenta (0%)
- Yellow (0%)
- Black (36%)





- Cyan (84%)
- Magenta (36%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6824, 0.2309, 0.3288 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 29.6824, 0.2309, 0.3288 by changing the saturation by 10% instead.


 29.6824, 0.2309,
0.3288


 29.6824, 0.2309,
0.3288


300.4212, 0.2738,
0.3301

 19.5976, 0.2196,
0.3280


 59.1595, 0.2469,
0.3296


 12.1029, 0.2048,
0.3266


 79.3207, 0.2528,
0.3298


 6.8138, 0.1847,
0.3241


 103.6095, 0.2577,
0.3299

 3.3459, 0.1560,
0.3189

 132.4103, 0.2619,
0.3300

 1.3149, 0.0987,
0.3119

 166.1075, 0.2655,
0.3300

 0.1527, 0.0000,
0.1550

205.0854, 0.2686,

 0.0000, 0.0000,

0.3300

0.0000

249.7285, 0.2714,
0.3301

■ 29.6824, 0.2309,
0.3288

■ 29.6824, 0.2309,
0.3288

■ 29.4232, 0.2273,
0.3288

■ 30.0830, 0.2363,
0.3288

■ 29.2814, 0.2253,
0.3288

■ 30.6375, 0.2436,
0.3288

■ 29.2362, 0.2247,
0.3288

■ 31.3606, 0.2527,
0.3288

■ 32.2645, 0.2635,
0.3289

■ 33.3602, 0.2758,
0.3289

■ 34.6578, 0.2894,
0.3289

■ 36.1668, 0.3040,
0.3290

■ 37.8960, 0.3193,
0.3290

■ 39.8538, 0.3350,
0.3291

Harmonies

Analogous

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



29.6824, 0.2679, 0.3833



29.6824, 0.2309, 0.3288



29.6824, 0.2153, 0.2805

Triad

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



29.6824, 0.2309, 0.3288



29.6824, 0.2988, 0.2547



29.6824, 0.4090, 0.4016

Complementary

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



29.6824, 0.2309, 0.3288



9.5498, 0.5678, 0.3297

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.



29.6824, 0.4210, 0.3627



29.6824, 0.2309, 0.3288



29.6824, 0.3542, 0.2820

Square

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



29.6824, 0.2309, 0.3288



29.6824, 0.2517, 0.2433



29.6824, 0.4006, 0.3202



29.6824, 0.3709, 0.4256

Rectangle

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



29.6824, 0.2309, 0.3288



29.6824, 0.2176, 0.2587



29.6824, 0.4006, 0.3202



29.6824, 0.4164, 0.3897

Sweetspot

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



29.6835, 0.2309, 0.3288



61.0515, 0.2789, 0.3289



27.1977, 0.3026, 0.5634



13.1822, 0.2744, 0.3289



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.



29.6835, 0.2309, 0.3288



53.1990, 0.2258, 0.3288



13.0234, 0.2002, 0.2083



8.0112, 0.2988, 0.3290



22.4122, 0.2247, 0.3288



0.4709, 0.2247, 0.3288

Inverse Universe

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



9.5498, 0.5678, 0.3297



14.8496, 0.6254, 0.3299



17.1285, 0.4865, 0.4118



7.0860, 0.3285, 0.3290



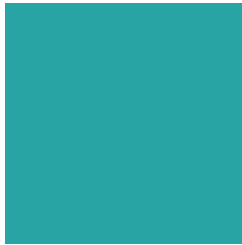
6.0517, 0.6400, 0.3300



0.1272, 0.6399, 0.3299

Previews

White Background



This preview shows how the Yxy color 29.6824, 0.2309, 0.3288 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 29.6824, 0.2309, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

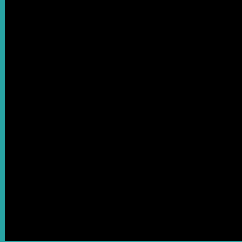
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

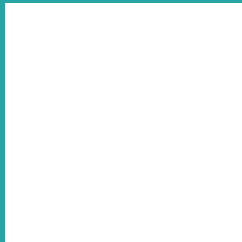
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.6824, 0.2309, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 29.6824, 0.2309, 0.3288.

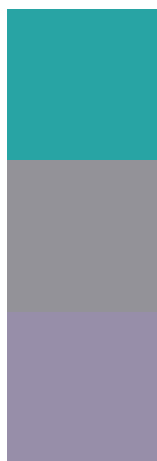


This preview shows how white text looks on a background with the Yxy color 29.6824, 0.2309, 0.3288.

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

29.6824, 0.2309, 0.3288

Protanopia

29.1536, 0.3081, 0.3180

Deuteranopia

29.0888, 0.2962, 0.2897



Tritanopia

29.5642, 0.2266, 0.3062

Trichromacy



Original Color

29.6824, 0.2309, 0.3288

Protanomaly

28.4680, 0.2691, 0.3221

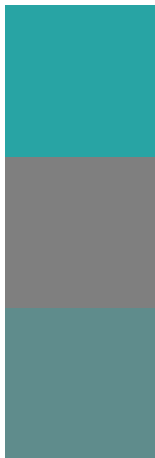
Deuteranomaly

28.3027, 0.2627, 0.3023

Tritanomaly

29.6925, 0.2282, 0.3147

Monochromacy



Original Color

29.6824, 0.2309, 0.3288

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

23.0825, 0.2683, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6824, 0.2309, 0.3288 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(40, 164, 164)` looks like.

```
.text, #text, p{  
    color:rgb(40, 164, 164)  
}
```

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(40, 164, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 164, 164) }
```

Border

The CSS property to change the border of an element to Yxy 29.6824, 0.2309, 0.3288 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(40, 164, 164) }
```

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

```
.border{ border-color:rgb(40, 164, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 164, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 164, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 164, 164);  
box-shadow:4px 4px 4px 4px rgb(40, 164,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6824, 0.2309, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 164, 164) }
```

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

```
.background{ background-color: rgb(40, 164,  
164) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor