

Converting Colors

$Yxy(29.6449, 0.2320, 0.3292)$

Have a look what the booklet for
Yxy(29.6449, 0.2320, 0.3292)
contains.

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Color

$\text{Yxy}(29.7448, 0.2318, 0.3288)$

Conversions

Conversions Part 1

Format	Color
Hex	2BA4A4
RGB	43, 164, 164
RGB Percent	17%, 64%, 64%
CMY	0.8315, 0.3568, 0.3569
CMYK	0.74, 0.00, 0.00, 0.36
HSL	180°, 58%, 41%
HSV	180°, 74%, 64%
XYZ	20.9697, 29.7448, 39.7502
YIQ	127.8210, -72.1160, -25.6520

Conversions

Conversions Part 2

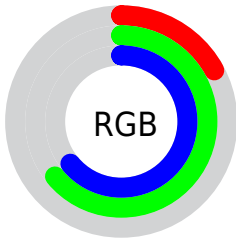
Format	Color
R_{YB}	43, 104, 164
Decimal	2860196
CIE _{Lab}	61.43, -31.64, -9.43
CIE _{LCh}	61, 33.016, 196.605
Yxy	29.7448, 0.2318, 0.3288
Android (android.graphics.Color)	4281050276 (0xFF2BA4A4)
YUV	127.8210, 17.8362, -74.3880
Hunter-Lab	54.5388, -26.8111, -5.0359

Details

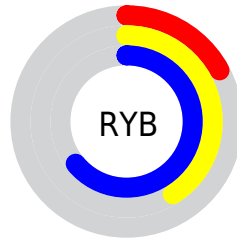
The Yxy color **29.7448, 0.2318, 0.3288** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.7921, 0.5592, 0.3297**, and the grayscale version is **21.4729, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.0287, 0.2475, 0.3288**, and **12.7582, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **29.4602, 0.2279, 0.3288**, and if you desaturate by 10%, it is **30.1741, 0.2376, 0.3288**.

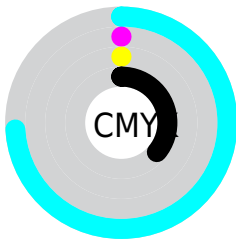
Distribution



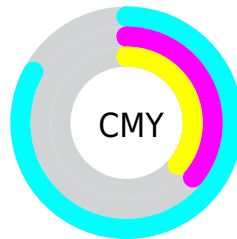
- Red (17%)
- Green (64%)
- Blue (64%)



- Red (17%)
- Yellow (41%)
- Blue (64%)



- Cyan (74%)
- Magenta (0%)
- Yellow (0%)
- Black (36%)



- Cyan (83%)
- Magenta (36%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.7448, 0.2318, 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 29.7448, 0.2318, 0.3288 by changing the saturation by 10% instead.


 29.7448, 0.2318,
0.3288


 29.7448, 0.2318,
0.3288

300.7131, 0.2742,
0.3300

 19.6450, 0.2206,
0.3280


 59.2584, 0.2477,
0.3296

 12.1372, 0.2060,
0.3267


 79.4409, 0.2535,
0.3298

 6.8372, 0.1861,
0.3242


 103.7531, 0.2583,
0.3299

 3.3605, 0.1576,
0.3191

 132.5793, 0.2625,
0.3300

 1.3227, 0.1016,
0.3120

 166.3041, 0.2660,
0.3300

 0.1587, 0.0000,
0.1601

205.3117, 0.2691,

 0.0000, 0.0000,

0.3300

0.0000

249.9866, 0.2718,
0.3300

■ 29.7448, 0.2318,
0.3288

■ 29.7448, 0.2318,
0.3288

■ 29.4602, 0.2279,
0.3288

■ 30.1741, 0.2376,
0.3288

■ 29.2986, 0.2256,
0.3288

■ 30.7601, 0.2452,
0.3288

■ 29.2330, 0.2247,
0.3288

■ 31.5171, 0.2547,
0.3289

■ 32.4570, 0.2658,
0.3289

■ 33.5908, 0.2784,
0.3289

■ 34.9283, 0.2922,
0.3289

■ 36.4790, 0.3069,
0.3290

■ 38.2515, 0.3223,
0.3290

■ 40.2540, 0.3381,
0.3291

Harmonies

Analogous

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



29.7448, 0.2684, 0.3826



29.7448, 0.2318, 0.3288



29.7448, 0.2163, 0.2811

Triad

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



29.7448, 0.2318, 0.3288



29.7448, 0.2991, 0.2555



29.7448, 0.4079, 0.4009

Complementary

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



29.7448, 0.2318, 0.3288



9.7921, 0.5592, 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.



29.7448, 0.4197, 0.3625



29.7448, 0.2318, 0.3288



29.7448, 0.3538, 0.2826

Square

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



29.7448, 0.2318, 0.3288



29.7448, 0.2524, 0.2442



29.7448, 0.3996, 0.3204



29.7448, 0.3702, 0.4245

Rectangle

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



29.7448, 0.2318, 0.3288



29.7448, 0.2187, 0.2595



29.7448, 0.3996, 0.3204



29.7448, 0.4152, 0.3891

Sweetspot

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



29.7459, 0.2318, 0.3288



61.2830, 0.2802, 0.3289



27.2849, 0.3029, 0.5586



13.2730, 0.2769, 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.



29.7459, 0.2318, 0.3288



53.2467, 0.2261, 0.3288



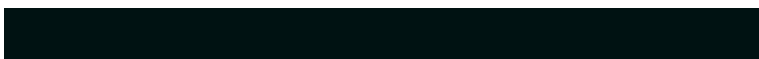
13.3984, 0.2024, 0.2119



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.



9.7921, 0.5592, 0.3297



15.0259, 0.6206, 0.3299



17.4651, 0.4812, 0.4111



7.0860, 0.3285, 0.3290



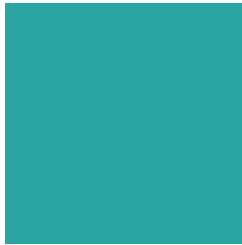
6.0516, 0.6400, 0.3300



0.1272, 0.6399, 0.3299

Previews

White Background



This preview shows how the Yxy color 29.7448, 0.2318, 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 29.7448, 0.2318, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

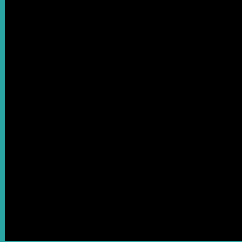
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

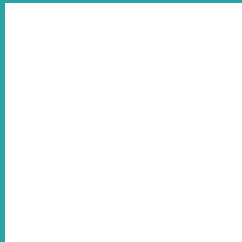
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.7448, 0.2318, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 29.7448, 0.2318, 0.3288.

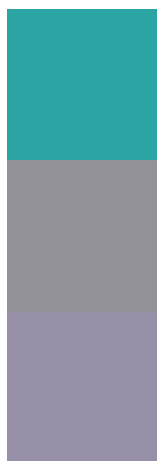


This preview shows how white text looks on a background with the Yxy color 29.7448, 0.2318, 0.3288.

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

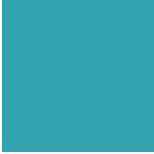
29.7448, 0.2318, 0.3288

Protanopia

29.1536, 0.3081, 0.3180

Deuteranopia

29.4491, 0.2981, 0.2928



Tritanopia

29.6396, 0.2276, 0.3063

Trichromacy



Original Color

29.7448, 0.2318, 0.3288



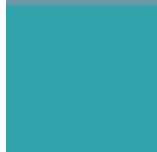
Protanomaly

28.5318, 0.2699, 0.3221



Deuteranomaly

28.3680, 0.2635, 0.3024



Tritanomaly

29.7630, 0.2291, 0.3148

Monochromacy



Original Color

29.7448, 0.2318, 0.3288



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

23.5142, 0.2694, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7448, 0.2318, 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(43, 164, 164)` looks like.

```
.text, #text, p{  
    color:rgb(43, 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(43, 164, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 164, 164) }
```

Border

The CSS property to change the border of an element to Yxy 29.7448, 0.2318, 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(43, 164, 164) }
```

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

```
.border{ border-color:rgb(43, 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(43, 164, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 164, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 164, 164);  
box-shadow:4px 4px 4px 4px rgb(43, 164,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7448, 0.2318, 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(43, 164, 164) }
```

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

```
.background{ background-color: rgb(43, 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](#).

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