

Converting Colors

$Y_{xy}(32.4999, 0.2140, 0.2848)$

Have a look what the booklet for
Yxy(32.4999, 0.2140, 0.2848)
contains.

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Color

Yxy(32.4999, 0.2140, 0.2848)

Conversions

Conversions Part 1

Format	Color
Hex	13A9C4
RGB	19, 169, 196
RGB Percent	7%, 66%, 77%
CMY	0.9247, 0.3373, 0.2315
CMYK	0.90, 0.14, 0.00, 0.23
HSL	189°, 82%, 42%
HSV	189°, 90%, 77%
XYZ	24.4206, 32.4999, 57.1943
YIQ	127.2280, -98.0670, -23.4030

Conversions

Conversions Part 2

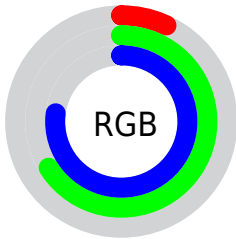
Format	Color
R_{YB}	19, 100, 196
Decimal	1288644
CIE _{Lab}	63.75, -25.90, -23.87
CIE _{LCh}	64, 35.220, 222.656
Yxy	32.4999, 0.2140, 0.2848
Android (android.graphics.Color)	4279478724 (0xFF13A9C4)
YUV	127.2280, 33.9046, -94.9160
Hunter-Lab	57.0087, -23.3019, -19.5770

Details

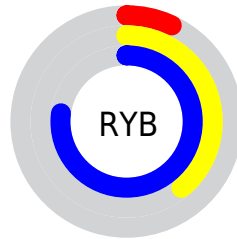
The Yxy color **32.4999, 0.2140, 0.2848** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **13.7486, 0.6021, 0.3469**, and the grayscale version is **21.2344, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.8853, 0.2322, 0.2946**, and **14.6756, 0.2092, 0.2730** is the 20% darker color. If you saturate the color by 10%, you get **31.2817, 0.2110, 0.2796**, and if you desaturate by 10%, it is **33.9136, 0.2186, 0.2902**.

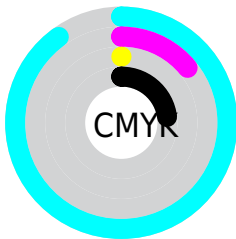
Distribution



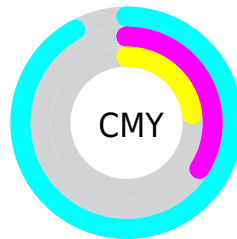
- Red (7%)
- Green (66%)
- Blue (77%)



- Red (7%)
- Yellow (39%)
- Blue (77%)



- Cyan (90%)
- Magenta (14%)
- Yellow (0%)
- Black (23%)





- Cyan (92%)
- Magenta (34%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.4999, 0.2140, 0.2848 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 32.4999, 0.2140, 0.2848 by changing the saturation by 10% instead.


 32.4999, 0.2140,
0.2848

 32.4999, 0.2140,
0.2848


313.3902, 0.2641,
0.3095


 21.7436, 0.2015,
0.2778


 63.5940, 0.2322,
0.2944

 13.6686, 0.1856,
0.2684


 84.7005, 0.2391,
0.2978


 7.8906, 0.1648,
0.2551

 110.0260, 0.2449,
0.3006

 4.0250, 0.1368,
0.2353

 139.9547, 0.2498,
0.3030

 1.6876, 0.0984,
0.2038

 174.8711, 0.2541,
0.3050

 0.4156, 0.0000,
0.1358

215.1595, 0.2578,

 0.0000, 0.0000,

0.3067

0.0000

261.2044, 0.2611,
0.3082

■ 32.4999, 0.2140,
0.2848

■ 32.4999, 0.2140,
0.2848

■ 31.2817, 0.2110,
0.2796

■ 33.9136, 0.2186,
0.2902

■ 35.5489, 0.2250,
0.2956

■ 37.4340, 0.2333,
0.3010

■ 39.5915, 0.2435,
0.3063

■ 42.0417, 0.2552,
0.3114

■ 44.8024, 0.2683,
0.3163

■ 47.8902, 0.2824,
0.3208

■ 51.3202, 0.2972,
0.3251

■ 55.1068, 0.3124,
0.3289

Harmonies

Analogous

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



32.4999, 0.2329, 0.3361



32.4999, 0.2140, 0.2848



32.4999, 0.2184, 0.2522

Triad

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



32.4999, 0.2140, 0.2848



32.4999, 0.3478, 0.2766



32.4999, 0.3782, 0.4260

Complementary

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



32.4999, 0.2140, 0.2848



13.7486, 0.6021, 0.3469

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.



32.4999, 0.4145, 0.3984



32.4999, 0.2140, 0.2848



32.4999, 0.3977, 0.3144

Square

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



32.4999, 0.2140, 0.2848



32.4999, 0.2914, 0.2506



32.4999, 0.4226, 0.3576



32.4999, 0.3262, 0.4259

Rectangle

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



32.4999, 0.2140, 0.2848



32.4999, 0.2340, 0.2427



32.4999, 0.4226, 0.3576



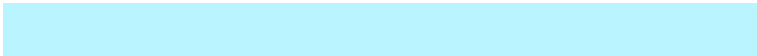
32.4999, 0.3928, 0.4192

Sweetspot

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



32.5011, 0.2140, 0.2848



82.6767, 0.2721, 0.3176



39.8038, 0.2951, 0.5731



17.2986, 0.2673, 0.3159



0.0000, 0.0000, 0.0000



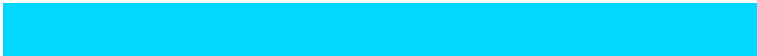
21.4041, 0.3127, 0.3290

Same Dimension

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



32.5011, 0.2140, 0.2848



56.3765, 0.2108, 0.2788



10.0216, 0.1720, 0.1307



11.1581, 0.2984, 0.3254



20.2073, 0.2112, 0.2803



0.9455, 0.2145, 0.2922

Inverse Universe

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



15.0699, 0.3587, 0.1792



26.2224, 0.3646, 0.1782



28.8600, 0.4847, 0.4452



10.2202, 0.3160, 0.3097



9.3222, 0.3632, 0.1774



0.4101, 0.3523, 0.1715

Previews

White Background



This preview shows how the Yxy color 32.4999, 0.2140, 0.2848 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 32.4999, 0.2140, 0.2848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

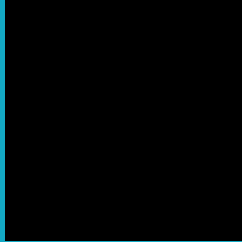
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.4999, 0.2140, 0.2848

Background



This preview shows how black text looks on a background with the Yxy color 32.4999, 0.2140, 0.2848.

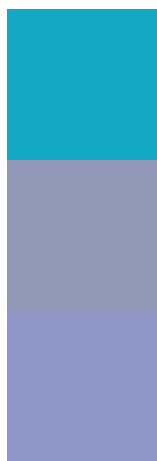


This preview shows how white text looks on a background with the Yxy color 32.4999, 0.2140, 0.2848.

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

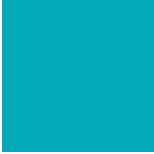
32.4999, 0.2140, 0.2848

Protanopia

32.0282, 0.2793, 0.2819

Deuteranopia

32.1430, 0.2645, 0.2590



Tritanopia

32.5865, 0.2186, 0.3068

Trichromacy



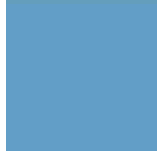
Original Color

32.4999, 0.2140, 0.2848



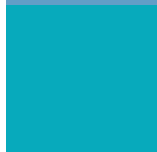
Protanomaly

30.7939, 0.2426, 0.2813



Deuteranomaly

31.1739, 0.2350, 0.2657



Tritanomaly

32.4255, 0.2168, 0.2987

Monochromacy



Original Color

32.4999, 0.2140, 0.2848



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

23.6877, 0.2538, 0.3104

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4999, 0.2140, 0.2848 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(19, 169, 196)` looks like.

```
.text, #text, p{  
    color:rgb(19, 169, 196)  
}
```

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(19, 169, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 169, 196) }
```

Border

The CSS property to change the border of an element to Yxy 32.4999, 0.2140, 0.2848 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(19, 169, 196) }
```

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

```
.border{ border-color:rgb(19, 169, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 169, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 169, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 169, 196);  
box-shadow:4px 4px 4px 4px rgb(19, 169,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 32.4999, 0.2140, 0.2848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 169, 196) }
```

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

```
.background{ background-color: rgb(19, 169,  
196) }
```

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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