

Converting Colors

$Y_{xy}(30.4340, 0.2339, 0.3557)$

Have a look what the booklet for
Yxy(30.4340, 0.2339, 0.3557)
contains.

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Color

Yxy(30.4243, 0.2341, 0.3564)

Conversions

Conversions Part 1

Format	Color
Hex	11A899
RGB	17, 168, 153
RGB Percent	7%, 66%, 60%
CMY	0.9332, 0.3412, 0.4000
CMYK	0.90, 0.00, 0.09, 0.34
HSL	174°, 82%, 36%
HSV	174°, 90%, 66%
XYZ	19.9841, 30.4243, 34.9572
YIQ	121.1410, -85.1810, -36.6770

Conversions

Conversions Part 2

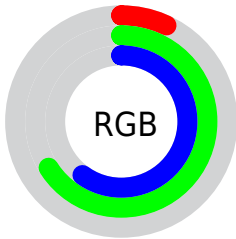
Format	Color
RYB	17, 96, 168
Decimal	1157273
CIELab	62.02, -38.97, -2.43
CIElCh	62, 39.047, 183.573
Yxy	30.4243, 0.2341, 0.3564
Android (android.graphics.Color)	4279347353 (0xFF11A899)
YUV	121.1410, 15.7065, -91.3317
Hunter-Lab	55.1582, -31.8555, 1.0350

Details

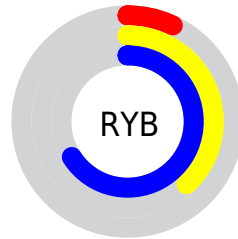
The Yxy color **30.4243, 0.2341, 0.3564** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.8318, 0.6009, 0.3195**, and the grayscale version is **19.1423, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3577, 0.2497, 0.3517**, and **13.2208, 0.2342, 0.3630** is the 20% darker color. If you saturate the color by 10%, you get **30.2527, 0.2333, 0.3597**, and if you desaturate by 10%, it is **30.6989, 0.2363, 0.3530**.

Distribution



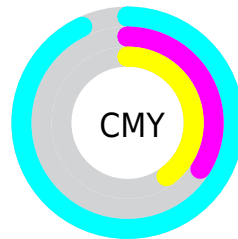
- Red (7%)
- Green (66%)
- Blue (60%)



- Red (7%)
- Yellow (38%)
- Blue (66%)



- Cyan (90%)
- Magenta (0%)
- Yellow (9%)
- Black (34%)




- Cyan (93%)
- Magenta (34%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4243, 0.2341, 0.3564 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 30.4243, 0.2341, 0.3564 by changing the saturation by 10% instead.


 30.4243, 0.2341,
0.3564

 30.4243, 0.2341,
0.3564


303.8772, 0.2756,
0.3423


 20.1609, 0.2231,
0.3600


 60.3325, 0.2497,
0.3512


 12.5120, 0.2085,
0.3647


 80.7461, 0.2554,
0.3492

 7.0934, 0.1885,
0.3709


 105.3119, 0.2601,
0.3476

 3.5206, 0.1597,
0.3794

 134.4143, 0.2642,
0.3462

 1.4092, 0.0895,
0.4026

 168.4376, 0.2676,
0.3450

 0.2235, 0.0000,
0.3509

 207.7662, 0.2706,

 0.0000, 0.0000,

0.3440

0.0000

252.7847, 0.2733,
0.3431

■ 30.4243, 0.2341,
0.3564

■ 30.4243, 0.2341,
0.3564

■ 30.2527, 0.2333,
0.3597

■ 30.6989, 0.2363,
0.3530

■ 30.2503, 0.2333,
0.3598

■ 31.1124, 0.2403,
0.3497

■ 31.6840, 0.2462,
0.3463

■ 32.4289, 0.2539,
0.3430

■ 33.3608, 0.2632,
0.3399

■ 34.4917, 0.2741,
0.3368

■ 35.8327, 0.2862,
0.3340

■ 37.3943, 0.2992,
0.3314

■ 39.1860, 0.3129,
0.3290

Harmonies

Analogous

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



30.4243, 0.2846, 0.4162



30.4243, 0.2341, 0.3564



30.4243, 0.2059, 0.2939

Triad

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



30.4243, 0.2341, 0.3564



30.4243, 0.2708, 0.2364



30.4243, 0.4341, 0.3926

Complementary

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



30.4243, 0.2341, 0.3564



8.8318, 0.6009, 0.3195

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.



30.4243, 0.4327, 0.3451



30.4243, 0.2341, 0.3564



30.4243, 0.3325, 0.2600

Square

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



30.4243, 0.2341, 0.3564



30.4243, 0.2255, 0.2322



30.4243, 0.3941, 0.2984



30.4243, 0.4008, 0.4310

Rectangle

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



30.4243, 0.2341, 0.3564



30.4243, 0.2013, 0.2624



30.4243, 0.3941, 0.2984



30.4243, 0.4379, 0.3772

Sweetspot

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



30.4255, 0.2341, 0.3564



63.1278, 0.2768, 0.3362



28.3558, 0.3045, 0.5872



13.5988, 0.2731, 0.3371



84.8088, 0.3127, 0.3290



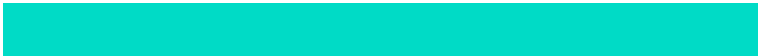
15.4872, 0.3127, 0.3290

Same Dimension

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



30.4255, 0.2341, 0.3564



54.8744, 0.2334, 0.3604



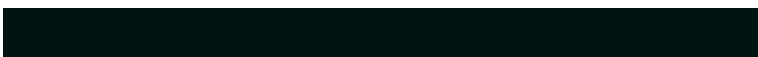
13.5918, 0.1935, 0.2084



8.5190, 0.3000, 0.3312



22.8476, 0.2332, 0.3594



0.5594, 0.2301, 0.3484

Inverse Universe

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



8.8318, 0.6009, 0.3195



15.1638, 0.6301, 0.3245



13.7335, 0.5433, 0.3940



7.5540, 0.3271, 0.3268



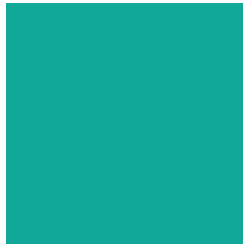
6.3202, 0.6261, 0.3223



0.1574, 0.5726, 0.2928

Previews

White Background



This preview shows how the Yxy color 30.4243, 0.2341, 0.3564 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 30.4243, 0.2341, 0.3564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

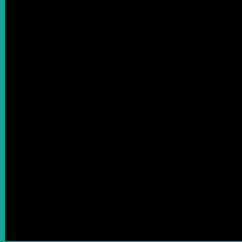
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.4243, 0.2341, 0.3564

Background



This preview shows how black text looks on a background with the Yxy color 30.4243, 0.2341, 0.3564.

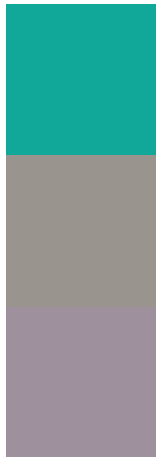


This preview shows how white text looks on a background with the Yxy color 30.4243, 0.2341, 0.3564.

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

30.4243, 0.2341, 0.3564

Protanopia

29.9051, 0.3237, 0.3384

Deuteranopia

29.7861, 0.3147, 0.3080



Tritanopia

30.3007, 0.2248, 0.3047

Trichromacy



Original Color

30.4243, 0.2341, 0.3564



Protanomaly

28.4611, 0.2739, 0.3447



Deuteranomaly

28.3086, 0.2682, 0.3237



Tritanomaly

30.1149, 0.2273, 0.3217

Monochromacy



Original Color

30.4243, 0.2341, 0.3564



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

21.7094, 0.2635, 0.3387

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4243, 0.2341, 0.3564 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(17, 168, 153)` looks like.

```
.text, #text, p{  
    color:rgb(17, 168, 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(17, 168, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 168, 153) }
```

Border

The CSS property to change the border of an element to Yxy 30.4243, 0.2341, 0.3564 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(17, 168, 153) }
```

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

```
.border{ border-color:rgb(17, 168, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 168, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 168, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 168, 153);  
box-shadow:4px 4px 4px 4px rgb(17, 168,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4243, 0.2341, 0.3564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 168, 153) }
```

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

```
.background{ background-color: rgb(17, 168,  
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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