

Converting Colors

$Yxy(30.4077, 0.2247, 0.3153)$

Have a look what the booklet for
Yxy(30.4077, 0.2247, 0.3153)
contains.

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Color

Yxy(30.5809, 0.2251, 0.3165)

Conversions

Conversions Part 1

Format	Color
Hex	1FA6AD
RGB	31, 166, 173
RGB Percent	12%, 65%, 68%
CMY	0.8774, 0.3491, 0.3216
CMYK	0.82, 0.04, 0.00, 0.32
HSL	183°, 69%, 40%
HSV	183°, 82%, 68%
XYZ	21.7496, 30.5809, 44.2916
YIQ	126.4330, -82.7070, -26.4430

Conversions

Conversions Part 2

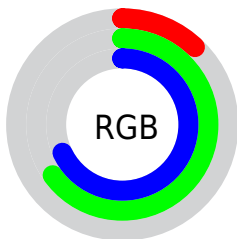
Format	Color
R _Y B	31, 100, 173
Decimal	2074285
CIE Lab	62.15, -31.04, -13.44
CIE LCh	62, 33.824, 203.421
Yxy	30.5809, 0.2251, 0.3165
Android (android.graphics.Color)	4280264365 (0xFF1FA6AD)
YUV	126.4330, 22.9575, -83.6947
Hunter-Lab	55.3000, -26.5705, -8.7773

Details

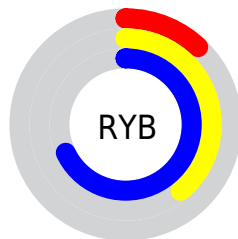
The Yxy color **30.5809, 0.2251, 0.3165** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.3881, 0.5879, 0.3358**, and the grayscale version is **20.9865, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7870, 0.2421, 0.3211**, and **13.1907, 0.2192, 0.3090** is the 20% darker color. If you saturate the color by 10%, you get **30.0697, 0.2220, 0.3149**, and if you desaturate by 10%, it is **31.2408, 0.2299, 0.3181**.

Distribution



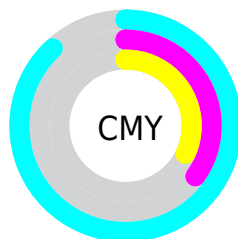
- Red (12%)
- Green (65%)
- Blue (68%)



- Red (12%)
- Yellow (39%)
- Blue (68%)



- Cyan (82%)
- Magenta (4%)
- Yellow (0%)
- Black (32%)





- Cyan (88%)
- Magenta (35%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.5809, 0.2251, 0.3165 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 30.5809, 0.2251, 0.3165 by changing the saturation by 10% instead.

 30.5809, 0.2251,
0.3165


 30.5809, 0.2251,
0.3165


304.6029, 0.2705,
0.3246


 20.2799, 0.2133,
0.3138

 60.5796, 0.2419,
0.3199


 12.5987, 0.1981,
0.3098


 81.0462, 0.2482,
0.3211

 7.1528, 0.1776,
0.3037

 105.6700, 0.2534,
0.3220

 3.5578, 0.1488,
0.2933

 134.8356, 0.2579,
0.3227

 1.4294, 0.1004,
0.2753

 168.9273, 0.2617,
0.3233

 0.2383, 0.0000,
0.1635

208.3294, 0.2650,

 0.0000, 0.0000,

0.3238

0.0000

253.4265, 0.2679,
0.3242

■ 30.5809, 0.2251,
0.3165

■ 30.5809, 0.2251,
0.3165

■ 30.0697, 0.2220,
0.3149

■ 31.2408, 0.2299,
0.3181

■ 29.7281, 0.2204,
0.3136

■ 32.0662, 0.2366,
0.3198

■ 33.0753, 0.2452,
0.3214

■ 34.2829, 0.2555,
0.3231

■ 35.7024, 0.2674,
0.3246

■ 37.3460, 0.2805,
0.3261

■ 39.2249, 0.2948,
0.3275

■ 41.3495, 0.3098,
0.3288

■ 43.7298, 0.3252,
0.3299

Harmonies

Analogous

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



30.5809, 0.2577, 0.3716



30.5809, 0.2251, 0.3165



30.5809, 0.2147, 0.2718

Triad

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



30.5809, 0.2251, 0.3165



30.5809, 0.3112, 0.2595



30.5809, 0.4024, 0.4091

Complementary

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



30.5809, 0.2251, 0.3165



10.3881, 0.5879, 0.3358

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.



30.5809, 0.4213, 0.3723



30.5809, 0.2251, 0.3165



30.5809, 0.3665, 0.2899

Square

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



30.5809, 0.2251, 0.3165



30.5809, 0.2609, 0.2441



30.5809, 0.4083, 0.3298



30.5809, 0.3598, 0.4278

Rectangle

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



30.5809, 0.2251, 0.3165



30.5809, 0.2205, 0.2532



30.5809, 0.4083, 0.3298



30.5809, 0.4119, 0.3982

Sweetspot

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



30.5820, 0.2251, 0.3165



65.8054, 0.2758, 0.3256



30.3102, 0.2997, 0.5737



14.0847, 0.2713, 0.3251



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



30.5820, 0.2251, 0.3165



53.2857, 0.2207, 0.3136



11.9369, 0.1896, 0.1821



9.0032, 0.2986, 0.3278



21.8645, 0.2205, 0.3138



0.6284, 0.2219, 0.3186

Inverse Universe

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



12.6308, 0.3306, 0.1696



20.8395, 0.3335, 0.1617



19.4697, 0.4933, 0.4226



8.1411, 0.3145, 0.3077



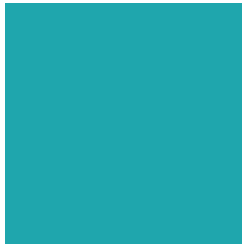
8.5103, 0.3335, 0.1611



0.2388, 0.3293, 0.1588

Previews

White Background



This preview shows how the Yxy color 30.5809, 0.2251, 0.3165 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 30.5809, 0.2251, 0.3165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

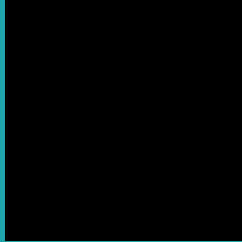
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

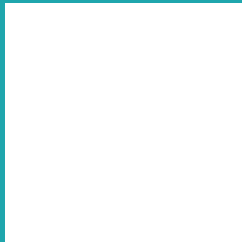
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.5809, 0.2251, 0.3165

Background



This preview shows how black text looks on a background with the Yxy color 30.5809, 0.2251, 0.3165.

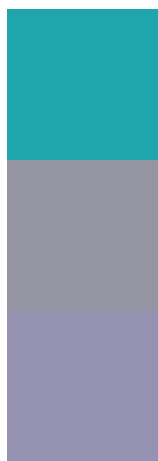


This preview shows how white text looks on a background with the Yxy color 30.5809, 0.2251, 0.3165.

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

30.5809, 0.2251, 0.3165

Protanopia

30.0843, 0.2997, 0.3074

Deuteranopia

30.2161, 0.2883, 0.2829



Tritanopia

30.5583, 0.2229, 0.3047

Trichromacy



Original Color

30.5809, 0.2251, 0.3165



Protanomaly

29.2600, 0.2605, 0.3105



Deuteranomaly

29.0429, 0.2537, 0.2914



Tritanomaly

30.4419, 0.2234, 0.3080

Monochromacy



Original Color

30.5809, 0.2251, 0.3165



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

23.3387, 0.2628, 0.3232

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5809, 0.2251, 0.3165 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(31, 166, 173)` looks like.

```
.text, #text, p{  
    color:rgb(31, 166, 173)  
}
```

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(31, 166, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 166, 173) }
```

Border

The CSS property to change the border of an element to Yxy 30.5809, 0.2251, 0.3165 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(31, 166, 173) }
```

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

```
.border{ border-color:rgb(31, 166, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 166, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 166, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 166, 173);  
box-shadow:4px 4px 4px 4px rgb(31, 166,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5809, 0.2251, 0.3165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 166, 173) }
```

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

```
.background{ background-color: rgb(31, 166,  
173) }
```

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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