

Converting Colors

$Y_{xy}(30.3236, 0.2249, 0.3131)$

Have a look what the booklet for
Yxy(30.3236, 0.2249, 0.3131)
contains.

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Color

Yxy(30.3236, 0.2249, 0.3131)

Conversions

Conversions Part 1

Format	Color
Hex	23A5AE
RGB	35, 165, 174
RGB Percent	14%, 65%, 68%
CMY	0.8636, 0.3529, 0.3177
CMYK	0.80, 0.05, 0.00, 0.32
HSL	184°, 67%, 41%
HSV	184°, 80%, 68%
XYZ	21.7815, 30.3236, 44.7445
YIQ	127.1560, -80.3690, -24.7610

Conversions

Conversions Part 2

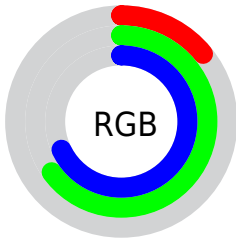
Format	Color
R _Y B	35, 102, 174
Decimal	2336174
CIE Lab	61.93, -29.94, -14.33
CIE LCh	62, 33.192, 205.571
Yxy	30.3236, 0.2249, 0.3131
Android (android.graphics.Color)	4280526254 (0xFF23A5AE)
YUV	127.1560, 23.0941, -80.8208
Hunter-Lab	55.0669, -25.7621, -9.6292

Details

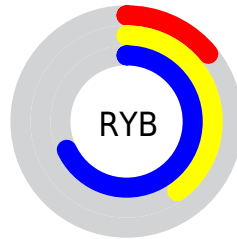
The Yxy color **30.3236, 0.2249, 0.3131** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.9003, 0.5783, 0.3381**, and the grayscale version is **21.1976, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9077, 0.2419, 0.3172**, and **13.2154, 0.2185, 0.3066** is the 20% darker color. If you saturate the color by 10%, you get **29.6910, 0.2213, 0.3110**, and if you desaturate by 10%, it is **31.1125, 0.2303, 0.3153**.

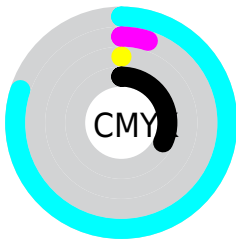
Distribution



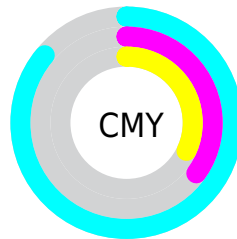
- Red (14%)
- Green (65%)
- Blue (68%)



- Red (14%)
- Yellow (40%)
- Blue (68%)



- Cyan (80%)
- Magenta (5%)
- Yellow (0%)
- Black (32%)




- Cyan (86%)
- Magenta (35%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.3236, 0.2249, 0.3131 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 30.3236, 0.2249, 0.3131 by changing the saturation by 10% instead.


 30.3236, 0.2249,
0.3131


 30.3236, 0.2249,
0.3131


303.4099, 0.2705,
0.3230


 20.0843, 0.2131,
0.3099


 60.1736, 0.2418,
0.3172


 12.4564, 0.1978,
0.3053


 80.5530, 0.2480,
0.3186


 7.0553, 0.1772,
0.2982


 105.0814, 0.2533,
0.3197

 3.4967, 0.1484,
0.2865

 134.1430, 0.2577,
0.3206

 1.3962, 0.1001,
0.2664

 168.1223, 0.2616,
0.3214

 0.2139, 0.0000,
0.1451

207.4036, 0.2649,

 0.0000, 0.0000,

0.3220

0.0000

252.3713, 0.2679,
0.3225

■ 30.3236, 0.2249,
0.3131

■ 30.3236, 0.2249,
0.3131

■ 29.6910, 0.2213,
0.3110

■ 31.1125, 0.2303,
0.3153

■ 29.1696, 0.2191,
0.3089

■ 32.0741, 0.2375,
0.3174

■ 33.2264, 0.2466,
0.3196

■ 34.5840, 0.2574,
0.3217

■ 36.1603, 0.2696,
0.3237

■ 37.9674, 0.2831,
0.3256

■ 40.0166, 0.2976,
0.3274

■ 42.3184, 0.3127,
0.3290

■ 44.8826, 0.3282,
0.3305

Harmonies

Analogous

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



30.3236, 0.2556, 0.3671



30.3236, 0.2249, 0.3131



30.3236, 0.2162, 0.2703

Triad

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



30.3236, 0.2249, 0.3131



30.3236, 0.3152, 0.2622



30.3236, 0.3988, 0.4101

Complementary

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



30.3236, 0.2249, 0.3131



10.9003, 0.5783, 0.3381

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.



30.3236, 0.4193, 0.3747



30.3236, 0.2249, 0.3131



30.3236, 0.3692, 0.2931

Square

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



30.3236, 0.2249, 0.3131



30.3236, 0.2648, 0.2458



30.3236, 0.4087, 0.3329



30.3236, 0.3556, 0.4264

Rectangle

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



30.3236, 0.2249, 0.3131



30.3236, 0.2231, 0.2529



30.3236, 0.4087, 0.3329



30.3236, 0.4087, 0.3997

Sweetspot

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



30.3247, 0.2249, 0.3131



67.3784, 0.2771, 0.3248



30.7874, 0.2991, 0.5673



14.7245, 0.2724, 0.3241



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



30.3247, 0.2249, 0.3131



53.1413, 0.2197, 0.3093



12.0363, 0.1904, 0.1813



8.9823, 0.2986, 0.3275



21.1925, 0.2192, 0.3091



0.6154, 0.2210, 0.3155

Inverse Universe

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



12.9035, 0.3333, 0.1731



21.3190, 0.3372, 0.1643



20.5614, 0.4856, 0.4253



8.1390, 0.3147, 0.3081



8.4424, 0.3375, 0.1633



0.2375, 0.3320, 0.1602

Previews

White Background



This preview shows how the Yxy color 30.3236, 0.2249, 0.3131 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 30.3236, 0.2249, 0.3131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

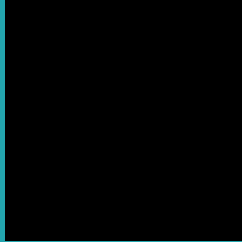
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.3236, 0.2249, 0.3131

Background



This preview shows how black text looks on a background with the Yxy color 30.3236, 0.2249, 0.3131.



This preview shows how white text looks on a background with the Yxy color 30.3236, 0.2249, 0.3131.

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

30.3236, 0.2249, 0.3131

Protanopia

30.0272, 0.2978, 0.3059

Deuteranopia

29.7611, 0.2855, 0.2797



Tritanopia

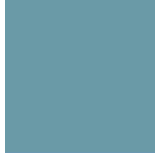
30.1773, 0.2232, 0.3046

Trichromacy



Original Color

30.3236, 0.2249, 0.3131



Protanomaly

28.9654, 0.2595, 0.3072



Deuteranomaly

28.7566, 0.2528, 0.2881



Tritanomaly

30.1186, 0.2234, 0.3063

Monochromacy



Original Color

30.3236, 0.2249, 0.3131



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

23.3905, 0.2636, 0.3233

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3236, 0.2249, 0.3131 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(35, 165, 174)` looks like.

```
.text, #text, p{  
    color:rgb(35, 165, 174)  
}
```

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(35, 165, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 165, 174) }
```

Border

The CSS property to change the border of an element to Yxy 30.3236, 0.2249, 0.3131 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(35, 165, 174) }
```

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

```
.border{ border-color:rgb(35, 165, 174) }
```

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

Here you see how a box with a 4 pixel rgb(35, 165, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 165, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 165, 174);  
box-shadow:4px 4px 4px 4px rgb(35, 165,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3236, 0.2249, 0.3131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 165, 174) }
```

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

```
.background{ background-color: rgb(35, 165,  
174) }
```

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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