

Converting Colors

$Y_{xy}(30.2921, 0.2364, 0.3370)$

Have a look what the booklet for
Yxy(30.2921, 0.2364, 0.3370)
contains.

Yxy(30.1616, 0.2362, 0.3359)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(30.1616, 0.2362, 0.3359)

Conversions

Conversions Part 1

Format	Color
Hex	32A5A1
RGB	50, 165, 161
RGB Percent	20%, 65%, 63%
CMY	0.8033, 0.3530, 0.3686
CMYK	0.70, 0.00, 0.02, 0.35
HSL	178°, 53%, 42%
HSV	178°, 70%, 65%
XYZ	21.2092, 30.1616, 38.4226
YIQ	130.1590, -67.2560, -25.6240

Conversions

Conversions Part 2

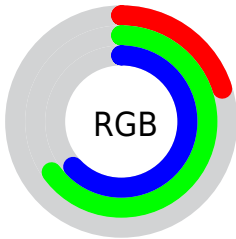
Format	Color
R _{YB}	50, 109, 165
Decimal	3319201
CIE _{Lab}	61.79, -32.04, -7.20
CIE _{LCh}	62, 32.845, 192.672
Y _{xy}	30.1616, 0.2362, 0.3359
Android (android.graphics.Color)	4281509281 (0xFF32A5A1)
YUV	130.1590, 15.2046, -70.2994
Hunter-Lab	54.9196, -27.1750, -3.0365

Details

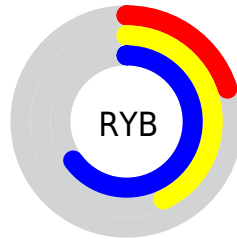
The Yxy color **30.1616, 0.2362, 0.3359** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.5610, 0.5329, 0.3247**, and the grayscale version is **22.3611, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.1815, 0.2511, 0.3354**, and **12.7141, 0.2261, 0.3339** is the 20% darker color. If you saturate the color by 10%, you get **29.7947, 0.2317, 0.3370**, and if you desaturate by 10%, it is **30.6821, 0.2426, 0.3348**.

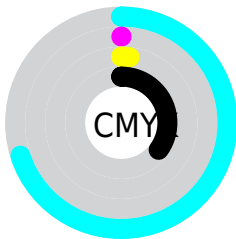
Distribution



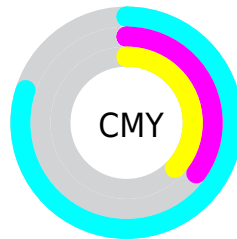
- Red (20%)
- Green (65%)
- Blue (63%)



- Red (20%)
- Yellow (43%)
- Blue (65%)



- Cyan (70%)
- Magenta (0%)
- Yellow (2%)
- Black (35%)





- Cyan (80%)
- Magenta (35%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.1616, 0.2362, 0.3359 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 30.1616, 0.2362, 0.3359 by changing the saturation by 10% instead.

 30.1616, 0.2362,
0.3359


 30.1616, 0.2362,
0.3359


302.6570, 0.2764,
0.3331


 19.9613, 0.2256,
0.3363


 59.9176, 0.2512,
0.3351


 12.3669, 0.2116,
0.3365


 80.2422, 0.2568,
0.3347

 6.9941, 0.1925,
0.3364


 104.7102, 0.2614,
0.3344

 3.4584, 0.1651,
0.3351

 133.7061, 0.2653,
0.3341

 1.3755, 0.1115,
0.3343

 167.6144, 0.2686,
0.3338

 0.1985, 0.0000,
0.2162

206.8194, 0.2716,

 0.0000, 0.0000,

0.3336

0.0000

251.7054, 0.2741,
0.3333

■ 30.1616, 0.2362,
0.3359

■ 30.1616, 0.2362,
0.3359

■ 29.7947, 0.2317,
0.3370

■ 30.6821, 0.2426,
0.3348

■ 29.5610, 0.2290,
0.3381

■ 31.3674, 0.2507,
0.3337

■ 29.4246, 0.2276,
0.3392

■ 32.2315, 0.2607,
0.3326

■ 29.4195, 0.2276,
0.3393

■ 33.2859, 0.2721,
0.3316

■ 34.5414, 0.2849,
0.3307

■ 36.0077, 0.2987,
0.3298

■ 37.6940, 0.3133,
0.3290

■ 39.6090, 0.3284,
0.3282

■ 41.7609, 0.3437,
0.3276

Harmonies

Analogous

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



30.1616, 0.2749, 0.3883



30.1616, 0.2362, 0.3359



30.1616, 0.2179, 0.2869

Triad

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



30.1616, 0.2362, 0.3359



30.1616, 0.2924, 0.2537



30.1616, 0.4102, 0.3959

Complementary

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



30.1616, 0.2362, 0.3359



10.5610, 0.5329, 0.3247

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.



30.1616, 0.4178, 0.3568



30.1616, 0.2362, 0.3359



30.1616, 0.3464, 0.2787

Square

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



30.1616, 0.2362, 0.3359



30.1616, 0.2481, 0.2449



30.1616, 0.3940, 0.3152



30.1616, 0.3757, 0.4218

Rectangle

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



30.1616, 0.2362, 0.3359



30.1616, 0.2183, 0.2636



30.1616, 0.3940, 0.3152



30.1616, 0.4161, 0.3837

Sweetspot

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



30.1627, 0.2362, 0.3359



61.4393, 0.2825, 0.3308



27.9769, 0.3056, 0.5459



13.3001, 0.2792, 0.3311



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.



30.1627, 0.2362, 0.3359



53.0907, 0.2299, 0.3377



15.2796, 0.2093, 0.2276



8.0070, 0.2992, 0.3298



22.2602, 0.2276, 0.3392



0.4690, 0.2264, 0.3351

Inverse Universe

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



10.5610, 0.5329, 0.3247



15.6427, 0.5997, 0.3261



17.7002, 0.4747, 0.4033



7.0898, 0.3280, 0.3283



6.0627, 0.6352, 0.3273



0.1285, 0.6129, 0.3150

Previews

White Background



This preview shows how the Yxy color 30.1616, 0.2362, 0.3359 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 30.1616, 0.2362, 0.3359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

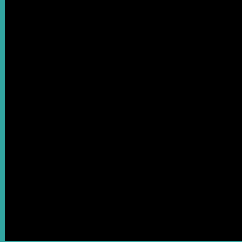
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

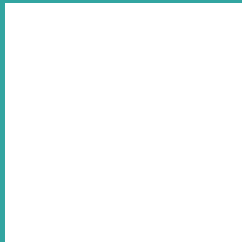
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.1616, 0.2362, 0.3359

Background



This preview shows how black text looks on a background with the Yxy color 30.1616, 0.2362, 0.3359.

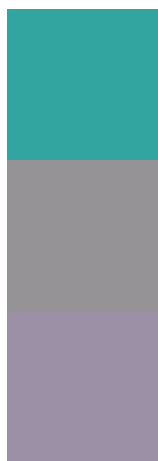


This preview shows how white text looks on a background with the Yxy color 30.1616, 0.2362, 0.3359.

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

30.1616, 0.2362, 0.3359

Protanopia

29.5535, 0.3129, 0.3243

Deuteranopia

29.6683, 0.3030, 0.2960



Tritanopia

30.2588, 0.2303, 0.3065

Trichromacy



Original Color

30.1616, 0.2362, 0.3359

Protanomaly

29.0217, 0.2757, 0.3289

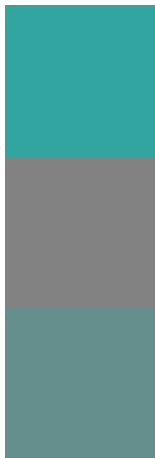
Deuteranomaly

28.9187, 0.2701, 0.3091

Tritanomaly

30.3319, 0.2323, 0.3166

Monochromacy



Original Color

30.1616, 0.2362, 0.3359

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

24.3347, 0.2733, 0.3326

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1616, 0.2362, 0.3359 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(50, 165, 161)` looks like.

```
.text, #text, p{  
    color:rgb(50, 165, 161)  
}
```

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(50, 165, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 165, 161) }
```

Border

The CSS property to change the border of an element to Yxy 30.1616, 0.2362, 0.3359 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(50, 165, 161) }
```

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

```
.border{ border-color:rgb(50, 165, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 165, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 165, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 165, 161);  
box-shadow:4px 4px 4px 4px rgb(50, 165,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1616, 0.2362, 0.3359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 165, 161) }
```

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

```
.background{ background-color: rgb(50, 165,  
161) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor