

Converting Colors

$Y_{xy}(33.6331, 0.2356, 0.3621)$

Have a look what the booklet for
Yxy(33.6331, 0.2356, 0.3621)
contains.

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Color

Yxy(33.6136, 0.2358, 0.3626)

Conversions

Conversions Part 1

Format	Color
Hex	12B09D
RGB	18, 176, 157
RGB Percent	7%, 69%, 62%
CMY	0.9296, 0.3098, 0.3844
CMYK	0.90, 0.00, 0.11, 0.31
HSL	173°, 81%, 38%
HSV	173°, 90%, 69%
XYZ	21.8590, 33.6136, 37.2290
YIQ	126.5920, -88.0690, -39.4050

Conversions

Conversions Part 2

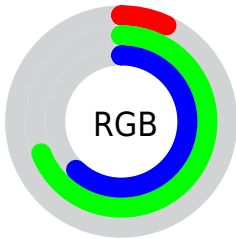
Format	Color
RYB	18, 102, 176
Decimal	1224861
CIELab	64.65, -41.31, -0.79
CIELCh	65, 41.319, 181.099
Yxy	33.6136, 0.2358, 0.3626
Android (android.graphics.Color)	4279414941 (0xFF12B09D)
YUV	126.5920, 14.9911, -95.2352
Hunter-Lab	57.9772, -34.1607, 2.5121

Details

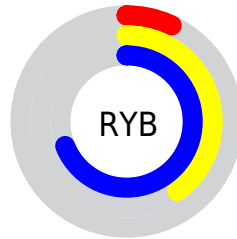
The Yxy color **33.6136, 0.2358, 0.3626** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.7956, 0.5969, 0.3168**, and the grayscale version is **21.0432, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.1257, 0.2510, 0.3563**, and **14.9597, 0.2358, 0.3690** is the 20% darker color. If you saturate the color by 10%, you get **33.4173, 0.2352, 0.3667**, and if you desaturate by 10%, it is **33.9269, 0.2378, 0.3585**.

Distribution



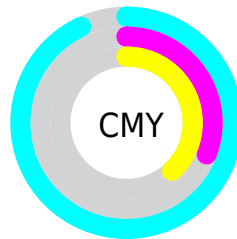
- Red (7%)
- Green (69%)
- Blue (62%)



- Red (7%)
- Yellow (40%)
- Blue (69%)



- Cyan (90%)
- Magenta (0%)
- Yellow (11%)
- Black (31%)





- Cyan (93%)
- Magenta (31%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6136, 0.2358, 0.3626 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 33.6136, 0.2358, 0.3626 by changing the saturation by 10% instead.

 33.6136, 0.2358,
0.3626


 33.6136, 0.2358,
0.3626


318.4057, 0.2759,
0.3452

 22.5969, 0.2253,
0.3671


 65.3323, 0.2507,
0.3561

 14.2962, 0.2116,
0.3730


 86.8032, 0.2562,
0.3538

 8.3269, 0.1930,
0.3809


 112.5275, 0.2608,
0.3518

 4.3049, 0.1664,
0.3921

 142.8898, 0.2647,
0.3501

 1.8455, 0.1191,
0.4119

 178.2743, 0.2681,
0.3486

 0.5153, 0.0000,
0.4553

 219.0655, 0.2710,

 0.0000, 0.0000,

0.3473

0.0000

265.6479, 0.2736,
0.3462

■ 33.6136, 0.2358,
0.3626

■ 33.6136, 0.2358,
0.3626

■ 33.4173, 0.2352,
0.3667

■ 33.9269, 0.2378,
0.3585

■ 33.4135, 0.2352,
0.3668

■ 34.3952, 0.2416,
0.3543

■ 35.0400, 0.2473,
0.3502

■ 35.8787, 0.2549,
0.3462

■ 36.9262, 0.2641,
0.3423

■ 38.1963, 0.2748,
0.3386

■ 39.7014, 0.2867,
0.3351

■ 41.4531, 0.2995,
0.3319

■ 43.4622, 0.3130,
0.3289

Harmonies

Analogous

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



33.6136, 0.2887, 0.4224



33.6136, 0.2358, 0.3626



33.6136, 0.2050, 0.2976

Triad

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



33.6136, 0.2358, 0.3626



33.6136, 0.2652, 0.2333



33.6136, 0.4382, 0.3899

Complementary

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



33.6136, 0.2358, 0.3626



9.7956, 0.5969, 0.3168

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.



33.6136, 0.4336, 0.3411



33.6136, 0.2358, 0.3626



33.6136, 0.3273, 0.2559

Square

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



33.6136, 0.2358, 0.3626



33.6136, 0.2209, 0.2308



33.6136, 0.3913, 0.2940



33.6136, 0.4065, 0.4306

Rectangle

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



33.6136, 0.2358, 0.3626



33.6136, 0.1990, 0.2642



33.6136, 0.3913, 0.2940



33.6136, 0.4411, 0.3739

Sweetspot

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



33.6149, 0.2358, 0.3626



69.8659, 0.2775, 0.3377



31.5283, 0.3063, 0.5861



14.9585, 0.2737, 0.3389



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.



33.6149, 0.2358, 0.3626



60.5746, 0.2354, 0.3675



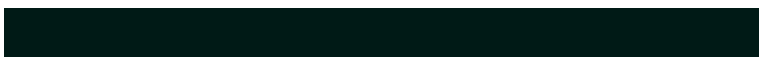
16.2332, 0.1962, 0.2186



9.6136, 0.3001, 0.3317



24.5202, 0.2351, 0.3664



0.7764, 0.2319, 0.3549

Inverse Universe

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



9.7956, 0.5969, 0.3168



16.8224, 0.6272, 0.3229



14.4310, 0.5522, 0.3869



8.5214, 0.3269, 0.3263



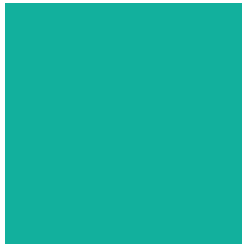
6.8173, 0.6228, 0.3204



0.2198, 0.5676, 0.2901

Previews

White Background



This preview shows how the Yxy color 33.6136, 0.2358, 0.3626 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 33.6136, 0.2358, 0.3626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

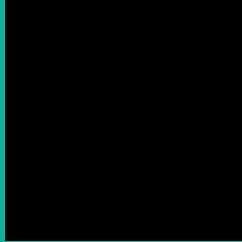
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.6136, 0.2358, 0.3626

Background



This preview shows how black text looks on a background with the Yxy color 33.6136, 0.2358, 0.3626.

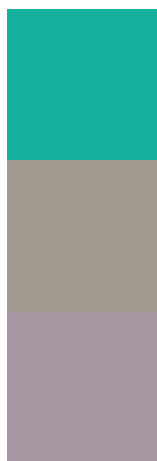


This preview shows how white text looks on a background with the Yxy color 33.6136, 0.2358, 0.3626.

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

33.6136, 0.2358, 0.3626

Protanopia

33.0641, 0.3281, 0.3441

Deuteranopia

33.0667, 0.3195, 0.3132



Tritanopia

33.6786, 0.2254, 0.3057

Trichromacy



Original Color

33.6136, 0.2358, 0.3626



Protanomaly

31.6155, 0.2769, 0.3526



Deuteranomaly

31.1904, 0.2713, 0.3289



Tritanomaly

33.3756, 0.2285, 0.3253

Monochromacy



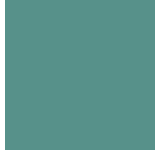
Original Color

33.6136, 0.2358, 0.3626



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

24.1120, 0.2646, 0.3422

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6136, 0.2358, 0.3626 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(18, 176, 157)` looks like.

```
.text, #text, p{  
    color:rgb(18, 176, 157)  
}
```

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(18, 176, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 176, 157) }
```

Border

The CSS property to change the border of an element to Yxy 33.6136, 0.2358, 0.3626 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(18, 176, 157) }
```

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

```
.border{ border-color:rgb(18, 176, 157) }
```

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

Here you see how a box with a 4 pixel rgb(18, 176, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 176, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 176, 157);  
box-shadow:4px 4px 4px 4px rgb(18, 176,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6136, 0.2358, 0.3626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 176, 157) }
```

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

```
.background{ background-color: rgb(18, 176,  
157) }
```

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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