

Converting Colors

$Yxy(10.7756, 0.1758, 0.3565)$

Have a look what the booklet for
Yxy(10.7756, 0.1758, 0.3565)
contains.

Yxy(12.0914, 0.2314, 0.3531)	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

$\text{Yxy}(12.0914, 0.2314, 0.3531)$

Conversions

Conversions Part 1

Format	Color
Hex	006E65
RGB	0, 110, 101
RGB Percent	0%, 43%, 40%
CMY	1.0000, 0.5686, 0.6039
CMYK	1.00, 0.00, 0.08, 0.57
HSL	175°, 100%, 22%
HSV	175°, 100%, 43%
XYZ	7.9240, 12.0914, 14.2282
YIQ	76.0840, -62.6710, -26.1190

Conversions

Conversions Part 2

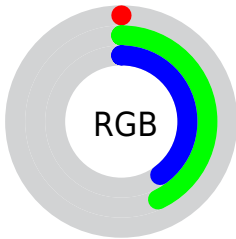
Format	Color
RYB	0, 57, 110
Decimal	28261
CIELab	41.36, -28.82, -2.59
CIELCh	41, 28.936, 185.140
Yxy	12.0914, 0.2314, 0.3531
Android (android.graphics.Color)	4278218341 (0xFF006E65)
YUV	76.0840, 12.2836, -66.7257
Hunter-Lab	34.7727, -20.1758, 0.0808

Details

The Yxy color **12.0914, 0.2314, 0.3531** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.3350, 0.6245, 0.3214**, and the grayscale version is **7.2296, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6035, 0.2517, 0.3467**, and **3.6038, 0.2334, 0.3603** is the 20% darker color. If you saturate the color by 10%, you get **12.0924, 0.2314, 0.3531**, and if you desaturate by 10%, it is **12.1813, 0.2333, 0.3505**.

Distribution



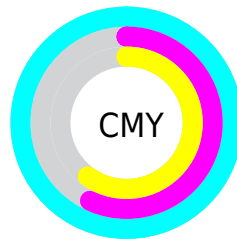
- Red (0%)
- Green (43%)
- Blue (40%)



- Red (0%)
- Yellow (22%)
- Blue (43%)



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (57%)




- Cyan (100%)
- Magenta (57%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0914, 0.2314, 0.3531 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 12.0914, 0.2314, 0.3531 by changing the saturation by 10% instead.


 12.0914, 0.2314,
0.3531


 12.0914, 0.2314,
0.3531


 205.0094, 0.2804,
0.3391


 6.8060, 0.2152,
0.3574


 29.6615, 0.2518,
0.3474


 3.3410, 0.1912,
0.3634

 42.7149, 0.2586,
0.3455


 1.3123, 0.1413,
0.3769

 59.1264, 0.2640,
0.3439

 0.1507, 0.0000,
0.3038


 79.2804, 0.2685,
0.3426


 0.0000, 0.0000,
0.0000

 103.5613, 0.2722,
0.3415


 132.3536, 0.2753,


0.3406


 166.0415, 0.2780,
0.3398


 12.0914, 0.2314,
0.3531


 12.0914, 0.2314,
0.3531


 12.0924, 0.2314,
0.3531

 12.1813, 0.2333,
0.3505

 12.2987, 0.2360,
0.3478

 12.4696, 0.2405,
0.3452

 12.7001, 0.2467,
0.3426

 12.9954, 0.2545,
0.3400

■ 13.3602, 0.2639,
0.3375

■ 13.7987, 0.2747,
0.3352

■ 14.3148, 0.2865,
0.3330

■ 14.9121, 0.2993,
0.3309

Harmonies

Analogous

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



12.0914, 0.2813, 0.4144



12.0914, 0.2314, 0.3531



12.0914, 0.2043, 0.2907

Triad

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



12.0914, 0.2314, 0.3531



12.0914, 0.2734, 0.2365



12.0914, 0.4340, 0.3954

Complementary

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



12.0914, 0.2314, 0.3531



3.3350, 0.6245, 0.3214

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.



12.0914, 0.4347, 0.3476



12.0914, 0.2314, 0.3531



12.0914, 0.3360, 0.2612

Square

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



12.0914, 0.2314, 0.3531



12.0914, 0.2267, 0.2312



12.0914, 0.3975, 0.3004



12.0914, 0.3989, 0.4332

Rectangle

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



12.0914, 0.2314, 0.3531



12.0914, 0.2006, 0.2598



12.0914, 0.3975, 0.3004



12.0914, 0.4385, 0.3799

Sweetspot

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



12.0924, 0.2314, 0.3531



24.1646, 0.2738, 0.3354



11.2120, 0.3032, 0.5974



5.5647, 0.2703, 0.3361



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



12.0924, 0.2314, 0.3531



21.2267, 0.2316, 0.3538



4.8118, 0.1870, 0.1932



3.8107, 0.3006, 0.3307



14.5236, 0.2315, 0.3533



72.2877, 0.2319, 0.3548

Inverse Universe

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



3.3350, 0.6245, 0.3214



5.8476, 0.6284, 0.3236



5.2564, 0.5572, 0.3957



3.4055, 0.3263, 0.3273



4.0038, 0.6259, 0.3222



19.8892, 0.6332, 0.3262

Previews

White Background



This preview shows how the Yxy color 12.0914, 0.2314, 0.3531 looks on a white 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 × Fail

Black Background



This preview shows how the Yxy color 12.0914, 0.2314, 0.3531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

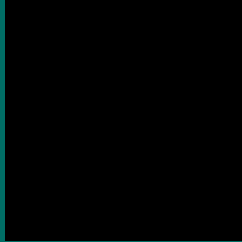
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.0914, 0.2314, 0.3531

Background



This preview shows how black text looks on a background with the Yxy color 12.0914, 0.2314, 0.3531.



This preview shows how white text looks on a background with the Yxy color 12.0914, 0.2314, 0.3531.

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

12.0914, 0.2314, 0.3531

Protanopia

12.0669, 0.3215, 0.3359

Deuteranopia

12.1270, 0.3136, 0.3092



Tritanopia

12.2191, 0.2265, 0.3086

Trichromacy



Original Color

12.0914, 0.2314, 0.3531

Protanomaly

11.4558, 0.2692, 0.3417

Deuteranomaly

11.2519, 0.2642, 0.3213

Tritanomaly

12.2041, 0.2272, 0.3236

Monochromacy



Original Color

12.0914, 0.2314, 0.3531

Achromatopsia

7.2272, 0.3127, 0.3290

Achromatomaly

8.2637, 0.2595, 0.3378

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0914, 0.2314, 0.3531 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(0, 110, 101)` looks like.

```
.text, #text, p{  
  color:rgb(0, 110, 101)  
}
```

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(0, 110, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 110, 101) }
```

Border

The CSS property to change the border of an element to Yxy 12.0914, 0.2314, 0.3531 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(0, 110, 101) }
```

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

```
.border{ border-color:rgb(0, 110, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 110, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 110, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 110, 101);  
box-shadow:4px 4px 4px 4px rgb(0, 110,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 12.0914, 0.2314, 0.3531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 110, 101) }
```

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

```
.background{ background-color: rgb(0, 110,  
101) }
```

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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