

Converting Colors

$Yxy(11.5899, 0.2038, 0.3314)$

Have a look what the booklet for
Yxy(11.5899, 0.2038, 0.3314)
contains.

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Color

$Y_{xy}(12.2560, 0.2254, 0.3314)$

Conversions

Conversions Part 1

Format	Color
Hex	006E6D
RGB	0, 110, 109
RGB Percent	0%, 43%, 43%
CMY	0.9999, 0.5686, 0.5726
CMYK	1.00, 0.00, 0.01, 0.57
HSL	179°, 100%, 22%
HSV	179°, 100%, 43%
XYZ	8.3359, 12.2560, 16.3906
YIQ	76.9960, -65.2390, -23.6310

Conversions

Conversions Part 2

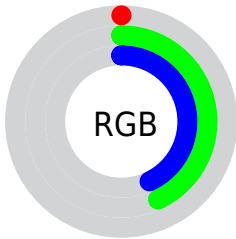
Format	Color
RYB	0, 55, 110
Decimal	28269
CIELab	41.62, -26.22, -7.05
CIELCh	42, 27.146, 195.046
Yxy	12.2560, 0.2254, 0.3314
Android (android.graphics.Color)	4278218349 (0xFF006E6D)
YUV	76.9960, 15.7780, -67.5255
Hunter-Lab	35.0086, -18.7625, -3.2530

Details

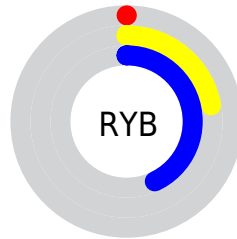
The Yxy color **12.2560, 0.2254, 0.3314** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.3181, 0.6382, 0.3290**, and the grayscale version is **7.4016, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.9152, 0.2471, 0.3323**, and **3.7930, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **12.2563, 0.2254, 0.3314**, and if you desaturate by 10%, it is **12.3298, 0.2277, 0.3311**.

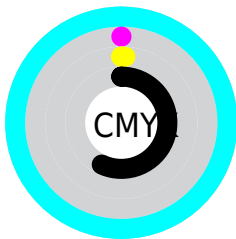
Distribution



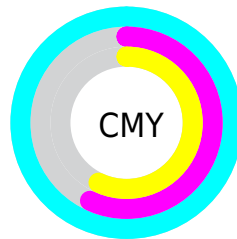
- Red (0%)
- Green (43%)
- Blue (43%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (57%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.2560, 0.2254, 0.3314 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 12.2560, 0.2254, 0.3314 by changing the saturation by 10% instead.

12.2560, 0.2254,
0.3314

12.2560, 0.2254,
0.3314

206.0928, 0.2774,
0.3312

6.9183, 0.2086,
0.3306

29.9605, 0.2469,
0.3318

3.4110, 0.1840,
0.3286

43.0961, 0.2541,
0.3317

1.3499, 0.1402,
0.3248

59.5997, 0.2599,
0.3317

0.1794, 0.0000,
0.2068

79.8558, 0.2647,
0.3316


0.0000, 0.0000,
0.0000

104.2488, 0.2687,
0.3315


133.1630, 0.2720,


0.3314


 166.9829, 0.2749,
0.3313

 12.2560, 0.2254,
0.3314

 12.2560, 0.2254,
0.3314


 12.2563, 0.2254,
0.3314

 12.3298, 0.2277,
0.3311

 12.4316, 0.2310,
0.3309

 12.5867, 0.2359,
0.3306

 12.8012, 0.2425,
0.3303

 13.0803, 0.2508,
0.3301

■ 13.4287, 0.2608,
0.3298

■ 13.8507, 0.2722,
0.3296

■ 14.3500, 0.2848,
0.3294

■ 14.9304, 0.2984,
0.3292

Harmonies

Analogous

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



12.2560, 0.2662, 0.3915



12.2560, 0.2254, 0.3314



12.2560, 0.2076, 0.2780

Triad

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



12.2560, 0.2254, 0.3314



12.2560, 0.2944, 0.2477



12.2560, 0.4188, 0.4053

Complementary

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



12.2560, 0.2254, 0.3314



3.3181, 0.6382, 0.3290

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.



12.2560, 0.4305, 0.3624



12.2560, 0.2254, 0.3314



12.2560, 0.3548, 0.2762

Square

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



12.2560, 0.2254, 0.3314



12.2560, 0.2443, 0.2363



12.2560, 0.4068, 0.3167



12.2560, 0.3781, 0.4336

Rectangle

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



12.2560, 0.2254, 0.3314



12.2560, 0.2094, 0.2538



12.2560, 0.4068, 0.3167



12.2560, 0.4264, 0.3919

Sweetspot

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



12.2565, 0.2254, 0.3314



24.2571, 0.2712, 0.3296



11.1645, 0.3007, 0.5994



5.5884, 0.2675, 0.3297



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.



12.2565, 0.2254, 0.3314



21.5224, 0.2254, 0.3315



4.0373, 0.1808, 0.1710



3.8147, 0.2997, 0.3292



14.7227, 0.2254, 0.3314



73.3325, 0.2254, 0.3316

Inverse Universe

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



3.3181, 0.6382, 0.3290



5.8247, 0.6387, 0.3292



5.8781, 0.5386, 0.4105



3.4020, 0.3273, 0.3288



3.9848, 0.6384, 0.3291



19.8429, 0.6394, 0.3296

Previews

White Background



This preview shows how the Yxy color 12.2560, 0.2254, 0.3314 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 12.2560, 0.2254, 0.3314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

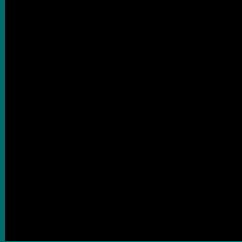
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.2560, 0.2254, 0.3314

Background



This preview shows how black text looks on a background with the Yxy color 12.2560, 0.2254, 0.3314.



This preview shows how white text looks on a background with the Yxy color 12.2560, 0.2254, 0.3314.

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

12.2560, 0.2254, 0.3314

Protanopia

12.1416, 0.3102, 0.3200

Deuteranopia

12.3023, 0.2983, 0.2942



Tritanopia

12.4047, 0.2234, 0.3062

Trichromacy



Original Color

12.2560, 0.2254, 0.3314

Protanomaly

11.5590, 0.2605, 0.3238

Deuteranomaly

11.5450, 0.2540, 0.3043

Tritanomaly

12.2606, 0.2232, 0.3134

Monochromacy



Original Color

12.2560, 0.2254, 0.3314

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

8.5190, 0.2564, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2560, 0.2254, 0.3314 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, 109)` looks like.

```
.text, #text, p{  
    color:rgb(0, 110, 109)  
}
```

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, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 110, 109) }
```

Border

The CSS property to change the border of an element to Yxy 12.2560, 0.2254, 0.3314 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, 109) }
```

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

```
.border{ border-color:rgb(0, 110, 109) }
```

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, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 110, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 110, 109);  
box-shadow:4px 4px 4px 4px rgb(0, 110,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2560, 0.2254, 0.3314 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, 109) }
```

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

```
.background{ background-color: rgb(0, 110,  
109) }
```

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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