

Converting Colors

$Yxy(11.3534, 0.2305, 0.3461)$

Have a look what the booklet for
Yxy(11.3534, 0.2305, 0.3461)
contains.

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Color

Yxy(11.2540, 0.2303, 0.3453)

Conversions

Conversions Part 1

Format	Color
Hex	046A64
RGB	4, 106, 100
RGB Percent	2%, 42%, 39%
CMY	0.9835, 0.5843, 0.6079
CMYK	0.96, 0.00, 0.06, 0.58
HSL	176°, 92%, 22%
HSV	176°, 96%, 42%
XYZ	7.5059, 11.2540, 13.8320
YIQ	74.8180, -58.8660, -23.4900

Conversions

Conversions Part 2

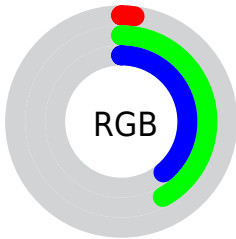
Format	Color
RYB	4, 57, 106
Decimal	289380
CIELab	40.01, -26.89, -3.98
CIELCh	40, 27.178, 188.420
Yxy	11.2540, 0.2303, 0.3453
Android (android.graphics.Color)	4278479460 (0xFF046A64)
YUV	74.8180, 12.4147, -62.1074
Hunter-Lab	33.5470, -18.7690, -0.9634

Details

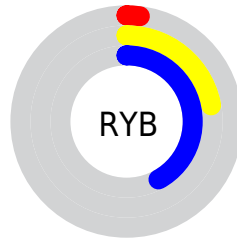
The Yxy color **11.2540, 0.2303, 0.3453** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.1774, 0.6162, 0.3239**, and the grayscale version is **6.9975, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.1839, 0.2510, 0.3415**, and **3.2925, 0.2298, 0.3472** is the 20% darker color. If you saturate the color by 10%, you get **11.2226, 0.2295, 0.3460**, and if you desaturate by 10%, it is **11.3393, 0.2325, 0.3435**.

Distribution



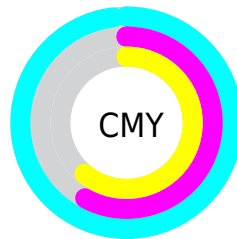
- Red (2%)
- Green (42%)
- Blue (39%)



- Red (2%)
- Yellow (22%)
- Blue (42%)



- Cyan (96%)
- Magenta (0%)
- Yellow (6%)
- Black (58%)





- Cyan (98%)
- Magenta (58%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.2540, 0.2303, 0.3453 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 11.2540, 0.2303, 0.3453 by changing the saturation by 10% instead.


 11.2540, 0.2303,
0.3453


 11.2540, 0.2303,
0.3453


199.4019, 0.2803,
0.3361


 6.2379, 0.2135,
0.3478


 28.1289, 0.2512,
0.3417


 2.9903, 0.1885,
0.3510

 40.7566, 0.2582,
0.3405


 1.1267, 0.1276,
0.3627

 56.6902, 0.2637,
0.3394

 0.0006, 0.0000,
0.0020

 76.3142, 0.2682,
0.3385

 0.0000, 0.0000,
0.0000

 100.0130, 0.2720,
0.3378

 128.1709, 0.2752,

0.3372

161.1725, 0.2779,
0.3366

11.2540, 0.2303,
0.3453

11.2540, 0.2303,
0.3453

11.2226, 0.2295,
0.3460

11.3393, 0.2325,
0.3435

11.4635, 0.2362,
0.3416

11.6391, 0.2415,
0.3397

11.8713, 0.2485,
0.3379

12.1646, 0.2571,
0.3361

■ 12.5232, 0.2673,
0.3344

■ 12.9508, 0.2787,
0.3328

■ 13.4507, 0.2911,
0.3312

■ 14.0263, 0.3044,
0.3298

Harmonies

Analogous

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



11.2540, 0.2765, 0.4054



11.2540, 0.2303, 0.3453



11.2540, 0.2067, 0.2868

Triad

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



11.2540, 0.2303, 0.3453



11.2540, 0.2810, 0.2413



11.2540, 0.4274, 0.3981

Complementary

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



11.2540, 0.2303, 0.3453



3.1774, 0.6162, 0.3239

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.



11.2540, 0.4318, 0.3526



11.2540, 0.2303, 0.3453



11.2540, 0.3422, 0.2671

Square

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



11.2540, 0.2303, 0.3453



11.2540, 0.2336, 0.2340



11.2540, 0.3997, 0.3063



11.2540, 0.3909, 0.4323

Rectangle

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



11.2540, 0.2303, 0.3453



11.2540, 0.2048, 0.2586



11.2540, 0.3997, 0.3063



11.2540, 0.4329, 0.3836

Sweetspot

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



11.2544, 0.2303, 0.3453



22.4338, 0.2742, 0.3334



10.3876, 0.3029, 0.5920



5.2005, 0.2707, 0.3339



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



11.2544, 0.2303, 0.3453



19.6915, 0.2296, 0.3465



4.5002, 0.1888, 0.1944



3.4890, 0.3004, 0.3302



13.9268, 0.2295, 0.3462



70.9179, 0.2298, 0.3473

Inverse Universe

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



3.1774, 0.6162, 0.3239



5.3955, 0.6313, 0.3251



5.2125, 0.5411, 0.4008



3.1194, 0.3264, 0.3278



3.8179, 0.6296, 0.3242



19.4094, 0.6355, 0.3275

Previews

White Background



This preview shows how the Yxy color 11.2540, 0.2303, 0.3453 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 11.2540, 0.2303, 0.3453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

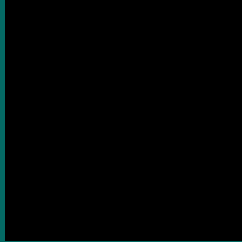
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.2540, 0.2303, 0.3453

Background



This preview shows how black text looks on a background with the Yxy color 11.2540, 0.2303, 0.3453.



This preview shows how white text looks on a background with the Yxy color 11.2540, 0.2303, 0.3453.

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

11.2540, 0.2303, 0.3453

Protanopia

11.2825, 0.3173, 0.3314

Deuteranopia

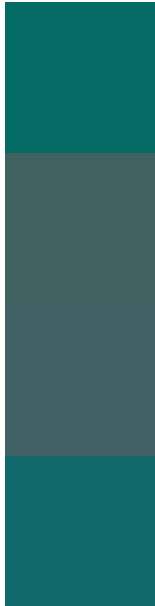
11.1141, 0.3078, 0.3018



Tritanopia

11.2871, 0.2248, 0.3054

Trichromacy



Original Color

11.2540, 0.2303, 0.3453

Protanomaly

10.6367, 0.2679, 0.3341

Deuteranomaly

10.4489, 0.2628, 0.3134

Tritanomaly

11.3050, 0.2267, 0.3208

Monochromacy



Original Color

11.2540, 0.2303, 0.3453

Achromatopsia

7.0360, 0.3127, 0.3290

Achromatomaly

7.9486, 0.2610, 0.3348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.2540, 0.2303, 0.3453 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(4, 106, 100)` looks like.

```
.text, #text, p{  
  color:rgb(4, 106, 100)  
}
```

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(4, 106, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 106, 100) }
```

Border

The CSS property to change the border of an element to Yxy 11.2540, 0.2303, 0.3453 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(4, 106, 100) }
```

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

```
.border{ border-color:rgb(4, 106, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 106, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 106, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 106, 100);  
box-shadow:4px 4px 4px 4px rgb(4, 106,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 11.2540, 0.2303, 0.3453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 106, 100) }
```

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

```
.background{ background-color: rgb(4, 106,  
100) }
```

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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