

Converting Colors

$Y_{xy}(11.9288, 0.2555, 0.3420)$

Have a look what the booklet for
Yxy(11.9288, 0.2555, 0.3420)
contains.

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Color

Yxy(12.0045, 0.2554, 0.3417)

Conversions

Conversions Part 1

Format	Color
Hex	356A65
RGB	53, 106, 101
RGB Percent	21%, 42%, 40%
CMY	0.7920, 0.5843, 0.6039
CMYK	0.50, 0.00, 0.05, 0.58
HSL	174°, 33%, 31%
HSV	174°, 50%, 42%
XYZ	8.9726, 12.0045, 14.1546
YIQ	89.5830, -29.9830, -12.7910

Conversions

Conversions Part 2

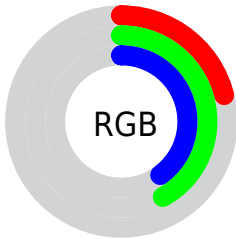
Format	Color
RYB	53, 81, 106
Decimal	3500645
CIELab	41.22, -18.99, -2.65
CIELCh	41, 19.171, 187.959
Yxy	12.0045, 0.2554, 0.3417
Android (android.graphics.Color)	4281690725 (0xFF356A65)
YUV	89.5830, 5.6286, -32.0833
Hunter-Lab	34.6475, -14.4072, 0.0315




Details

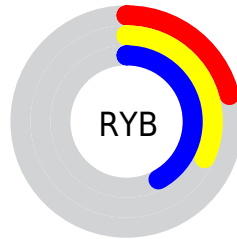
The Yxy color **12.0045, 0.2554, 0.3417** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **5.9203, 0.4284, 0.3177**, and the grayscale version is **10.1209, 0.3127, 0.3290**.




A 20% lighter version of the original color is **29.6638, 0.2699, 0.3392**, and **3.2925, 0.2298, 0.3472** is the 20% darker color. If you saturate the color by 10%, you get **11.7290, 0.2476, 0.3447**, and if you desaturate by 10%, it is **12.3447, 0.2647, 0.3388**.

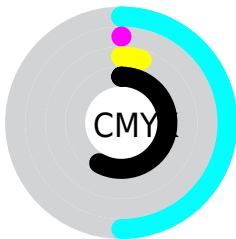
Distribution







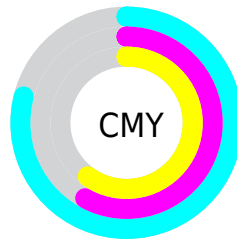
-  Red (21%)
-  Green (42%)
-  Blue (40%)






-  Red (21%)
-  Yellow (32%)
-  Blue (42%)



-  Cyan (50%)
-  Magenta (0%)
-  Yellow (5%)
-  Black (58%)



-  Cyan (79%)
-  Magenta (58%)
-  Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.0045, 0.2554, 0.3417 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 12.0045, 0.2554, 0.3417 by changing the saturation by 10% instead.

12.0045, 0.2554,
0.3417

12.0045, 0.2554,
0.3417

204.4351, 0.2901,
0.3343

6.7467, 0.2437,
0.3440

29.5033, 0.2699,
0.3387

3.3042, 0.2261,
0.3471

42.5131, 0.2748,
0.3377

1.2925, 0.1955,
0.3522

58.8758, 0.2786,
0.3369

0.1354, 0.0000,
0.2891

78.9756, 0.2818,
0.3362

0.0000, 0.0000,
0.0000

103.1971, 0.2844,
0.3356

131.9246, 0.2866,

0.3351

165.5424, 0.2885,
0.3347

■ 12.0045, 0.2554,
0.3417

■ 12.0045, 0.2554,
0.3417

■ 11.7290, 0.2476,
0.3447

■ 12.3447, 0.2647,
0.3388

■ 11.5127, 0.2415,
0.3477

■ 12.7522, 0.2753,
0.3361

■ 11.3512, 0.2371,
0.3507

■ 13.2308, 0.2870,
0.3336

■ 11.2390, 0.2343,
0.3538

■ 13.7840, 0.2996,
0.3312

■ 11.1520, 0.2325,
0.3569

■ 14.4149, 0.3128,
0.3290

■ 11.1516, 0.2325,
0.3569

■ 15.1262, 0.3264,
0.3270

■ 15.9209, 0.3401,
0.3252

■ 16.8015, 0.3538,
0.3236

■ 17.7705, 0.3674,
0.3222

Harmonies

Analogous

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



12.0045, 0.2891, 0.3807



12.0045, 0.2554, 0.3417



12.0045, 0.2372, 0.3018

Triad

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



12.0045, 0.2554, 0.3417



12.0045, 0.2905, 0.2657



12.0045, 0.3930, 0.3793

Complementary

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



12.0045, 0.2554, 0.3417



5.9203, 0.4284, 0.3177

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.



12.0045, 0.3946, 0.3473



12.0045, 0.2554, 0.3417



12.0045, 0.3331, 0.2844

Square

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



12.0045, 0.2554, 0.3417



12.0045, 0.2564, 0.2613



12.0045, 0.3721, 0.3134



12.0045, 0.3690, 0.4010

Rectangle

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



12.0045, 0.2554, 0.3417



12.0045, 0.2354, 0.2811



12.0045, 0.3721, 0.3134



12.0045, 0.3963, 0.3693

Sweetspot

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



12.0050, 0.2554, 0.3417



23.6465, 0.2926, 0.3325



11.4746, 0.3121, 0.4736



5.5052, 0.2907, 0.3328



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.



12.0050, 0.2554, 0.3417



20.5144, 0.2465, 0.3452



8.2667, 0.2402, 0.2718



3.4872, 0.3009, 0.3310



13.8378, 0.2326, 0.3572



70.4404, 0.2330, 0.3590

Inverse Universe

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



5.9203, 0.4284, 0.3177



8.4753, 0.4733, 0.3160



8.2492, 0.4154, 0.3786



3.1210, 0.3259, 0.3271



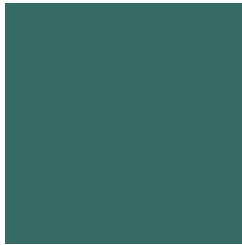
3.8271, 0.6234, 0.3208



19.4389, 0.6316, 0.3253

Previews

White Background



This preview shows how the Yxy color 12.0045, 0.2554, 0.3417 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 12.0045, 0.2554, 0.3417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

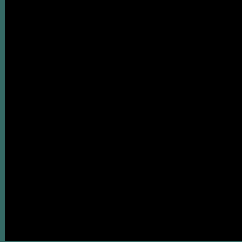
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.0045, 0.2554, 0.3417

Background



This preview shows how black text looks on a background with the Yxy color 12.0045, 0.2554, 0.3417.



This preview shows how white text looks on a background with the Yxy color 12.0045, 0.2554, 0.3417.

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

12.0045, 0.2554, 0.3417

Protanopia

11.8446, 0.3187, 0.3313

Deuteranopia

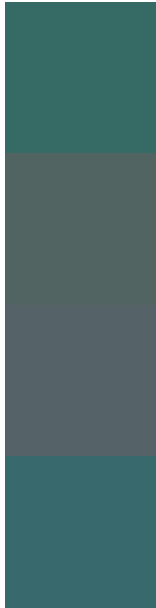
11.8884, 0.3122, 0.3069



Tritanopia

11.9627, 0.2466, 0.3067

Trichromacy



Original Color

12.0045, 0.2554, 0.3417

Protanomaly

11.7712, 0.2912, 0.3362

Deuteranomaly

11.6459, 0.2876, 0.3171

Tritanomaly

12.0480, 0.2499, 0.3188

Monochromacy



Original Color

12.0045, 0.2554, 0.3417

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.7517, 0.2878, 0.3340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0045, 0.2554, 0.3417 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(53, 106, 101)` looks like.

```
.text, #text, p{  
    color:rgb(53, 106, 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(53, 106, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 106, 101) }
```

Border

The CSS property to change the border of an element to Yxy 12.0045, 0.2554, 0.3417 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(53, 106, 101) }
```

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

```
.border{ border-color:rgb(53, 106, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 106, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 106, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 106, 101);  
box-shadow:4px 4px 4px 4px rgb(53, 106,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 12.0045, 0.2554, 0.3417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 106, 101) }
```

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

```
.background{ background-color: rgb(53, 106,  
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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