

Converting Colors

$Y_{xy}(12.1575, 0.2554, 0.3420)$

Have a look what the booklet for
Yxy(12.1575, 0.2554, 0.3420)
contains.

Yxy(12.2316, 0.2548, 0.3416)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.2316, 0.2548, 0.3416)

Conversions

Conversions Part 1

Format	Color
Hex	356B66
RGB	53, 107, 102
RGB Percent	21%, 42%, 40%
CMY	0.7922, 0.5804, 0.6000
CMYK	0.50, 0.00, 0.05, 0.58
HSL	174°, 34%, 31%
HSV	174°, 50%, 42%
XYZ	9.1236, 12.2316, 14.4516
YIQ	90.2840, -30.5790, -13.0030

Conversions

Conversions Part 2

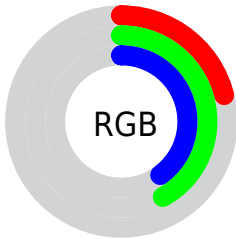
Format	Color
RYB	53, 81, 107
Decimal	3500902
CIELab	41.58, -19.26, -2.74
CIELCh	42, 19.457, 188.096
Yxy	12.2316, 0.2548, 0.3416
Android (android.graphics.Color)	4281690982 (0xFF356B66)
YUV	90.2840, 5.7760, -32.6981
Hunter-Lab	34.9737, -14.6388, -0.0179

Details

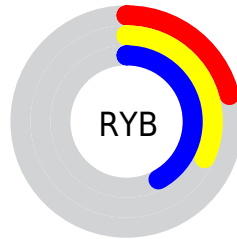
The Yxy color **12.2316, 0.2548, 0.3416** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **5.9759, 0.4308, 0.3178**, and the grayscale version is **10.2827, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0392, 0.2693, 0.3391**, and **3.4038, 0.2297, 0.3470** is the 20% darker color. If you saturate the color by 10%, you get **11.9543, 0.2471, 0.3445**, and if you desaturate by 10%, it is **12.5748, 0.2640, 0.3388**.

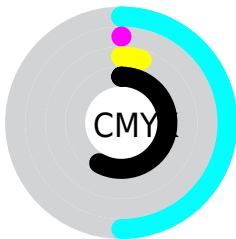
Distribution



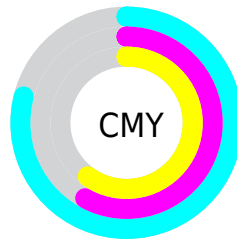
- Red (21%)
- Green (42%)
- Blue (40%)



- 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 12.2316, 0.2548, 0.3416 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 12.2316, 0.2548, 0.3416 by changing the saturation by 10% instead.

12.2316, 0.2548,
0.3416

12.2316, 0.2548,
0.3416

205.9326, 0.2898,
0.3343

6.9016, 0.2431,
0.3438

29.9162, 0.2694,
0.3387

3.4006, 0.2255,
0.3469

43.0396, 0.2743,
0.3377

1.3443, 0.1957,
0.3515

59.5297, 0.2782,
0.3369

0.1751, 0.0000,
0.3142

79.7707, 0.2813,
0.3362

0.0000, 0.0000,
0.0000

104.1471, 0.2840,
0.3356

133.0433, 0.2862,

0.3351

166.8436, 0.2881,
0.3347

■ 12.2316, 0.2548,
0.3416

■ 12.2316, 0.2548,
0.3416

■ 11.9543, 0.2471,
0.3445

■ 12.5748, 0.2640,
0.3388

■ 11.7373, 0.2410,
0.3475

■ 12.9865, 0.2746,
0.3361

■ 11.5759, 0.2367,
0.3505

■ 13.4709, 0.2863,
0.3336

■ 11.4646, 0.2341,
0.3535

■ 14.0312, 0.2989,
0.3313

■ 11.3813, 0.2323,
0.3563

■ 14.6708, 0.3121,
0.3291

■ 15.3925, 0.3257,
0.3271

■ 16.1993, 0.3395,
0.3254

■ 17.0938, 0.3532,
0.3238

■ 18.0786, 0.3669,
0.3224

Harmonies

Analogous

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



12.2316, 0.2887, 0.3810



12.2316, 0.2548, 0.3416



12.2316, 0.2366, 0.3013

Triad

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



12.2316, 0.2548, 0.3416



12.2316, 0.2905, 0.2653



12.2316, 0.3936, 0.3798

Complementary

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



12.2316, 0.2548, 0.3416



5.9759, 0.4308, 0.3178

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.



12.2316, 0.3953, 0.3476



12.2316, 0.2548, 0.3416



12.2316, 0.3334, 0.2842

Square

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



12.2316, 0.2548, 0.3416



12.2316, 0.2561, 0.2607



12.2316, 0.3728, 0.3134



12.2316, 0.3693, 0.4017

Rectangle

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



12.2316, 0.2548, 0.3416



12.2316, 0.2348, 0.2805



12.2316, 0.3728, 0.3134



12.2316, 0.3970, 0.3698

Sweetspot

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



12.2321, 0.2548, 0.3416



24.6101, 0.2926, 0.3324



11.6842, 0.3121, 0.4756



5.9184, 0.2906, 0.3328



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.



12.2321, 0.2548, 0.3416



21.3081, 0.2456, 0.3452



8.3775, 0.2394, 0.2710



3.4873, 0.3008, 0.3309



13.8425, 0.2324, 0.3566



70.4657, 0.2329, 0.3583

Inverse Universe

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



5.9759, 0.4308, 0.3178



8.6555, 0.4783, 0.3161



8.3598, 0.4170, 0.3791



3.1209, 0.3260, 0.3271



3.8265, 0.6238, 0.3210



19.4370, 0.6318, 0.3254

Previews

White Background



This preview shows how the Yxy color 12.2316, 0.2548, 0.3416 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 12.2316, 0.2548, 0.3416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

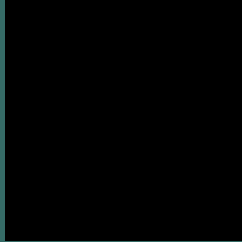
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.2316, 0.2548, 0.3416

Background



This preview shows how black text looks on a background with the Yxy color 12.2316, 0.2548, 0.3416.



This preview shows how white text looks on a background with the Yxy color 12.2316, 0.2548, 0.3416.

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

12.2316, 0.2548, 0.3416

Protanopia

12.1032, 0.3187, 0.3313

Deuteranopia

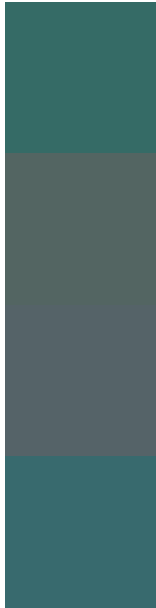
12.1474, 0.3122, 0.3071



Tritanopia

12.1879, 0.2461, 0.3068

Trichromacy



Original Color

12.2316, 0.2548, 0.3416

Protanomaly

12.0282, 0.2914, 0.3362

Deuteranomaly

11.8545, 0.2864, 0.3171

Tritanomaly

12.2746, 0.2494, 0.3189

Monochromacy



Original Color

12.2316, 0.2548, 0.3416

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 12.2316, 0.2548, 0.3416 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, 107, 102)` looks like.

```
.text, #text, p{  
    color:rgb(53, 107, 102)  
}
```

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, 107, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 107, 102) }
```

Border

The CSS property to change the border of an element to Yxy 12.2316, 0.2548, 0.3416 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, 107, 102) }
```

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

```
.border{ border-color:rgb(53, 107, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 107, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 107, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 107, 102);  
box-shadow:4px 4px 4px 4px rgb(53, 107,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2316, 0.2548, 0.3416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 107, 102) }
```

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

```
.background{ background-color: rgb(53, 107,  
102) }
```

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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