

Converting Colors

$Y_{xy}(11.9881, 0.2344, 0.2392)$

Have a look what the booklet for
Yxy(11.9881, 0.2344, 0.2392)
contains.

Yxy(12.0065, 0.2341, 0.2388)	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

Yxy(12.0065, 0.2341, 0.2388)

Conversions

Conversions Part 1

Format	Color
Hex	48628C
RGB	72, 98, 140
RGB Percent	28%, 38%, 55%
CMY	0.7178, 0.6156, 0.4510
CMYK	0.49, 0.30, 0.00, 0.45
HSL	217°, 32%, 42%
HSV	217°, 49%, 55%
XYZ	11.7702, 12.0065, 26.5018
YIQ	95.0140, -28.9780, 7.5500

Conversions

Conversions Part 2

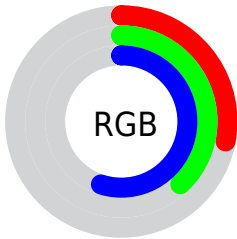
Format	Color
R _Y B	72, 91, 140
Decimal	4743820
CIE Lab	41.23, 2.56, -26.21
CIE LCh	41, 26.331, 275.570
Yxy	12.0065, 0.2341, 0.2388
Android (android.graphics.Color)	4282933900 (0xFF48628C)
YUV	95.0140, 22.1781, -20.1833
Hunter-Lab	34.6504, -0.0046, -21.0917

Details

The Yxy color **12.0065, 0.2341, 0.2388** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **18.0594, 0.4024, 0.4039**, and the grayscale version is **11.3965, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3599, 0.2530, 0.2594**, and **3.3228, 0.1980, 0.1980** is the 20% darker color. If you saturate the color by 10%, you get **9.9990, 0.2178, 0.2160**, and if you desaturate by 10%, it is **14.3118, 0.2510, 0.2605**.

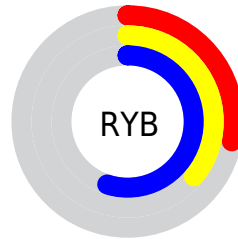
Distribution



Red (28%)

Green (38%)

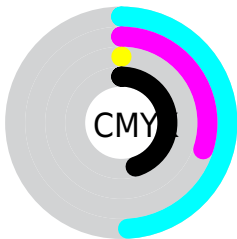
Blue (55%)



Red (28%)

Yellow (36%)

Blue (55%)

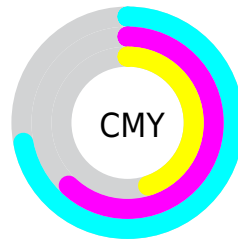


Cyan (49%)

Magenta (30%)

Yellow (0%)

Black (45%)



Cyan (72%)

Magenta (62%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.0065, 0.2341, 0.2388 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 12.0065, 0.2341, 0.2388 by changing the saturation by 10% instead.

■ 12.0065, 0.2341,
0.2388

■ 12.0065, 0.2341,
0.2388

■ 204.4483, 0.2810,
0.2920

■ 6.7481, 0.2192,
0.2221

■ 29.5069, 0.2533,
0.2605

■ 3.3051, 0.1978,
0.1985

■ 42.5178, 0.2598,
0.2679

■ 1.2930, 0.1653,
0.1630

■ 58.8816, 0.2651,
0.2739

■ 0.1358, 0.0708,
0.0502

■ 78.9827, 0.2694,
0.2788

■ 0.0000, 0.0000,
0.0000

■ 103.2055, 0.2730,
0.2829

131.9345, 0.2761,

0.2864

165.5539, 0.2787,
0.2894

■ 12.0065, 0.2341,
0.2388

■ 12.0065, 0.2341,
0.2388

■ 9.9990, 0.2178,
0.2160

■ 14.3118, 0.2510,
0.2605

■ 8.2740, 0.2026,
0.1928

■ 16.9265, 0.2678,
0.2807

■ 6.8167, 0.1892,
0.1699

■ 19.8631, 0.2842,
0.2993

■ 5.6099, 0.1781,
0.1481

■ 23.1329, 0.2999,
0.3160

■ 4.6221, 0.1693,
0.1280

■ 26.7467, 0.3147,
0.3310

■ 4.4961, 0.1682,
0.1253

■ 30.7147, 0.3286,
0.3443

■ 35.0467, 0.3413,
0.3560

■ 39.7522, 0.3531,
0.3663

■ 44.8401, 0.3639,
0.3753

Harmonies

Analogous

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



12.0065, 0.2117, 0.2550



12.0065, 0.2341, 0.2388



12.0065, 0.2776, 0.2438

Triad

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



12.0065, 0.2341, 0.2388



12.0065, 0.4242, 0.3476



12.0065, 0.2836, 0.4055

Complementary

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



12.0065, 0.2341, 0.2388



18.0594, 0.4024, 0.4039

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.



12.0065, 0.3400, 0.4335



12.0065, 0.2341, 0.2388



12.0065, 0.4236, 0.3915

Square

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



12.0065, 0.2341, 0.2388



12.0065, 0.3907, 0.3037



12.0065, 0.3916, 0.4251



12.0065, 0.2377, 0.3504

Rectangle

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



12.0065, 0.2341, 0.2388



12.0065, 0.3152, 0.2575



12.0065, 0.3916, 0.4251



12.0065, 0.3019, 0.4189

Sweetspot

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



12.0069, 0.2341, 0.2388



36.8544, 0.2895, 0.3050



21.3404, 0.2710, 0.3836



8.2515, 0.2865, 0.3018



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



12.0069, 0.2341, 0.2388



17.4282, 0.2168, 0.2146



8.2228, 0.2329, 0.1851



5.1859, 0.2991, 0.3152



4.0319, 0.1684, 0.1262



0.0536, 0.1913, 0.2086

Inverse Universe

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



11.0852, 0.3901, 0.2820



16.2715, 0.4170, 0.2733



24.1283, 0.3722, 0.4475



5.0782, 0.3225, 0.3207



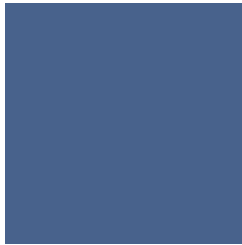
5.1912, 0.5379, 0.2737



0.0372, 0.4357, 0.2174

Previews

White Background



This preview shows how the Yxy color 12.0065, 0.2341, 0.2388 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 12.0065, 0.2341, 0.2388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

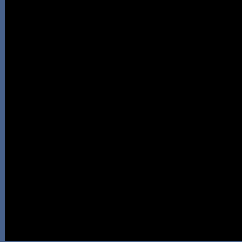
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

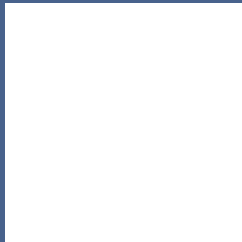
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.0065, 0.2341, 0.2388

Background



This preview shows how black text looks on a background with the Yxy color 12.0065, 0.2341, 0.2388.

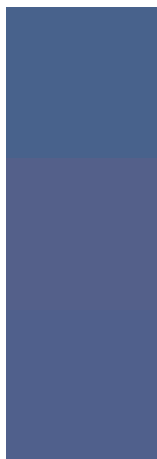


This preview shows how white text looks on a background with the Yxy color 12.0065, 0.2341, 0.2388.

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

12.0065, 0.2341, 0.2388

Protanopia

12.0855, 0.2474, 0.2406

Deuteranopia

11.9647, 0.2413, 0.2362



Tritanopia

11.9271, 0.2528, 0.3069

Trichromacy



Original Color

12.0065, 0.2341, 0.2388

Protanomaly

12.1189, 0.2425, 0.2401

Deuteranomaly

12.0206, 0.2386, 0.2376

Tritanomaly

11.8708, 0.2454, 0.2797

Monochromacy



Original Color

12.0065, 0.2341, 0.2388

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.5397, 0.2801, 0.2943

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0065, 0.2341, 0.2388 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(72, 98, 140)` looks like.

```
.text, #text, p{  
    color:rgb(72, 98, 140)  
}
```

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(72, 98, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 98, 140) }
```

Border

The CSS property to change the border of an element to Yxy 12.0065, 0.2341, 0.2388 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(72, 98, 140) }
```

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

```
.border{ border-color:rgb(72, 98, 140) }
```

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

Here you see how a box with a 4 pixel rgb(72, 98, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 98, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 98, 140);  
box-shadow:4px 4px 4px 4px rgb(72, 98,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 12.0065, 0.2341, 0.2388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 98, 140) }
```

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

```
.background{ background-color: rgb(72, 98,  
140) }
```

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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