

Converting Colors

$Y_{xy}(13.0227, 0.2545, 0.2610)$

Have a look what the booklet for
Yxy(13.0227, 0.2545, 0.2610)
contains.

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Color

Yxy(12.9321, 0.2548, 0.2608)

Conversions

Conversions Part 1

Format	Color
Hex	556585
RGB	85, 101, 133
RGB Percent	33%, 40%, 52%
CMY	0.6666, 0.6039, 0.4784
CMYK	0.36, 0.24, 0.00, 0.48
HSL	220°, 22%, 43%
HSV	220°, 36%, 52%
XYZ	12.6346, 12.9321, 24.0196
YIQ	99.8640, -19.8080, 6.5600

Conversions

Conversions Part 2

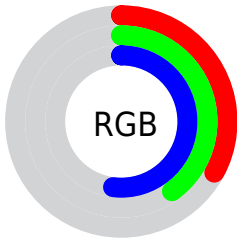
Format	Color
R_{YB}	85, 97, 133
Decimal	5596549
CIE Lab	42.66, 2.33, -19.71
CIE LCh	43, 19.844, 276.744
Yxy	12.9321, 0.2548, 0.2608
Android (android.graphics.Color)	4283786629 (0xFF556585)
YUV	99.8640, 16.3360, -13.0357
Hunter-Lab	35.9612, -0.2181, -14.4287

Details

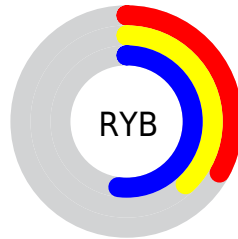
The Yxy color **12.9321, 0.2548, 0.2608** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **18.3694, 0.3740, 0.3887**, and the grayscale version is **12.6700, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2359, 0.2692, 0.2780**, and **3.6562, 0.2278, 0.2286** is the 20% darker color. If you saturate the color by 10%, you get **10.7368, 0.2375, 0.2378**, and if you desaturate by 10%, it is **15.4313, 0.2719, 0.2822**.

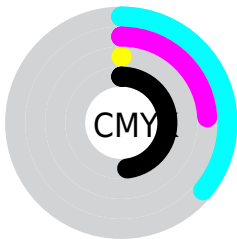
Distribution



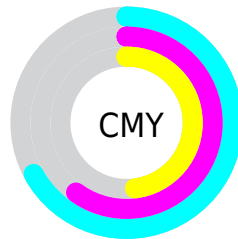
- Red (33%)
- Green (40%)
- Blue (52%)



- Red (33%)
- Yellow (38%)
- Blue (52%)



- Cyan (36%)
- Magenta (24%)
- Yellow (0%)
- Black (48%)



- Cyan (67%)
- Magenta (60%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.9321, 0.2548, 0.2608 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 12.9321, 0.2548, 0.2608 by changing the saturation by 10% instead.

■ 12.9321, 0.2548,
0.2608

■ 12.9321, 0.2548,
0.2608

■ 210.4821, 0.2894,
0.3011

■ 7.3818, 0.2436,
0.2480

■ 31.1817, 0.2691,
0.2773

■ 3.7020, 0.2273,
0.2294

■ 44.6499, 0.2739,
0.2829

■ 1.5083, 0.2016,
0.2006

■ 61.5261, 0.2777,
0.2874

■ 0.2946, 0.1330,
0.1163

■ 82.1948, 0.2809,
0.2912

■ 0.0000, 0.0000,
0.0000

■ 107.0403, 0.2835,
0.2943

136.4471, 0.2858,

0.2969

170.7996, 0.2877,
0.2992

■ 12.9321, 0.2548,
0.2608

■ 12.9321, 0.2548,
0.2608

■ 10.7368, 0.2375,
0.2378

■ 15.4313, 0.2719,
0.2822

■ 8.8316, 0.2204,
0.2135

■ 18.2447, 0.2883,
0.3017

■ 7.2035, 0.2042,
0.1887

■ 21.3837, 0.3038,
0.3193

■ 5.8379, 0.1897,
0.1643

■ 24.8589, 0.3183,
0.3349

■ 4.7186, 0.1776,
0.1411

■ 28.6801, 0.3316,
0.3487

■ 3.8228, 0.1681,
0.1202

■ 32.8569, 0.3438,
0.3609

■ 3.5169, 0.1646,
0.1125

■ 37.3986, 0.3550,
0.3715

■ 42.3138, 0.3652,
0.3809

■ 47.6111, 0.3744,
0.3890

Harmonies

Analogous

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



12.9321, 0.2366, 0.2736



12.9321, 0.2548, 0.2608



12.9321, 0.2887, 0.2647

Triad

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



12.9321, 0.2548, 0.2608



12.9321, 0.3949, 0.3460



12.9321, 0.2905, 0.3825

Complementary

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



12.9321, 0.2548, 0.2608



18.3694, 0.3740, 0.3887

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.



12.9321, 0.3325, 0.4041



12.9321, 0.2548, 0.2608



12.9321, 0.3943, 0.3786

Square

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



12.9321, 0.2548, 0.2608



12.9321, 0.3714, 0.3119



12.9321, 0.3708, 0.4012



12.9321, 0.2560, 0.3435

Rectangle

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



12.9321, 0.2548, 0.2608



12.9321, 0.3169, 0.2755



12.9321, 0.3708, 0.4012



12.9321, 0.3042, 0.3923

Sweetspot

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



12.9326, 0.2548, 0.2608



35.3123, 0.2959, 0.3104



19.9911, 0.2779, 0.3620



7.8148, 0.2942, 0.3085



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



12.9326, 0.2548, 0.2608



20.0092, 0.2411, 0.2427



10.5212, 0.2602, 0.2282



4.7793, 0.2992, 0.3141



3.3637, 0.1647, 0.1129



0.0240, 0.1872, 0.1940

Inverse Universe

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



12.4258, 0.3671, 0.2987



19.2699, 0.3847, 0.2920



21.7908, 0.3548, 0.4182



4.7124, 0.3231, 0.3218



4.9265, 0.5568, 0.2841



0.0183, 0.4522, 0.2264

Previews

White Background



This preview shows how the Yxy color 12.9321, 0.2548, 0.2608 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 12.9321, 0.2548, 0.2608 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

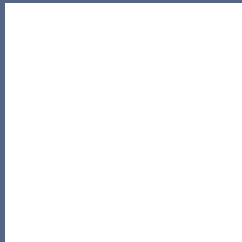
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.9321, 0.2548, 0.2608

Background



This preview shows how black text looks on a background with the Yxy color 12.9321, 0.2548, 0.2608.

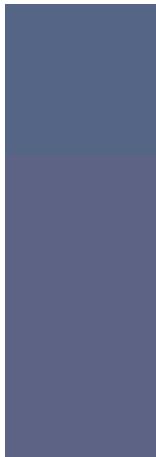


This preview shows how white text looks on a background with the Yxy color 12.9321, 0.2548, 0.2608.

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

12.9321, 0.2548, 0.2608

Protanopia

12.8649, 0.2633, 0.2597

Deuteranopia

12.8924, 0.2622, 0.2579



Tritanopia

13.0009, 0.2708, 0.3105

Trichromacy



Original Color

12.9321, 0.2548, 0.2608

Protanomaly

12.9041, 0.2600, 0.2613

Deuteranomaly

12.9316, 0.2590, 0.2594

Tritanomaly

13.0505, 0.2654, 0.2930

Monochromacy



Original Color

12.9321, 0.2548, 0.2608

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.7171, 0.2901, 0.3024

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9321, 0.2548, 0.2608 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(85, 101, 133)` looks like.

```
.text, #text, p{  
    color:rgb(85, 101, 133)  
}
```

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(85, 101, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 101, 133) }
```

Border

The CSS property to change the border of an element to Yxy 12.9321, 0.2548, 0.2608 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(85, 101, 133) }
```

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

```
.border{ border-color:rgb(85, 101, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 101, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 101, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 101, 133);  
box-shadow:4px 4px 4px 4px rgb(85, 101,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9321, 0.2548, 0.2608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 101, 133) }
```

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

```
.background{ background-color: rgb(85, 101,  
133) }
```

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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