

Converting Colors

$Y_{xy}(12.6583, 0.3219, 0.3162)$

Have a look what the booklet for
Yxy(12.6583, 0.3219, 0.3162)
contains.

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Color

Yxy(12.7168, 0.3208, 0.3161)

Conversions

Conversions Part 1

Format	Color
Hex	6C6167
RGB	108, 97, 103
RGB Percent	42%, 38%, 40%
CMY	0.5765, 0.6196, 0.5961
CMYK	0.00, 0.10, 0.05, 0.58
HSL	327°, 5%, 40%
HSV	327°, 10%, 42%
XYZ	12.9059, 12.7168, 14.6076
YIQ	100.9730, 4.6300, 4.1980

Conversions

Conversions Part 2

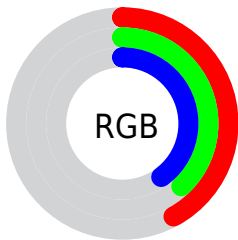
Format	Color
R_{YB}	108, 97, 103
Decimal	7102823
CIE _{Lab}	42.33, 5.56, -1.81
CIE _{LCh}	42, 5.843, 341.951
Yxy	12.7168, 0.3208, 0.3161
Android (android.graphics.Color)	4285292903 (0xFF6C6167)
YUV	100.9730, 0.9993, 6.1627
Hunter-Lab	35.6606, 2.1946, 0.6755

Details

The Yxy color **12.7168, 0.3208, 0.3161** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.2225, 0.3054, 0.3423**, and the grayscale version is **13.0029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8838, 0.3183, 0.3200**, and **3.6453, 0.3264, 0.3113** is the 20% darker color. If you saturate the color by 10%, you get **10.7601, 0.3303, 0.3028**, and if you desaturate by 10%, it is **14.9521, 0.3128, 0.3288**.

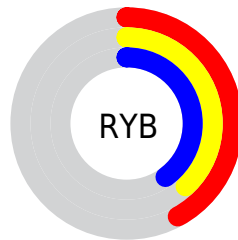
Distribution



Red (42%)

Green (38%)

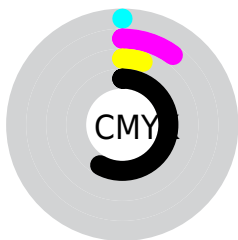
Blue (40%)



Red (42%)

Yellow (38%)

Blue (40%)

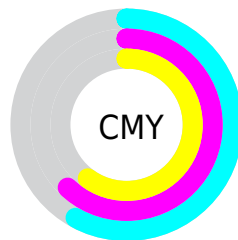


Cyan (0%)

Magenta (10%)

Yellow (5%)

Black (58%)



Cyan (58%)

Magenta (62%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.7168, 0.3208, 0.3161 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 12.7168, 0.3208, 0.3161 by changing the saturation by 10% instead.

■ 12.7168, 0.3208,
0.3161

■ 12.7168, 0.3208,
0.3161

■ 209.0946, 0.3159,
0.3239

■ 7.2338, 0.3224,
0.3135

■ 30.7941, 0.3188,
0.3194

■ 3.6088, 0.3249,
0.3096

■ 44.1571, 0.3181,
0.3204

■ 1.4572, 0.3291,
0.3030

■ 60.9157, 0.3175,
0.3213

■ 0.2583, 0.3639,
0.2467

■ 81.4541, 0.3171,
0.3220

■ 0.0000, 0.0000,
0.0000

■ 106.1569, 0.3167,
0.3226

■ 135.4082, 0.3164,

0.3231

169.5927, 0.3162,
0.3235

■ 12.7168, 0.3208,
0.3161

■ 12.7168, 0.3208,
0.3161

■ 10.7601, 0.3303,
0.3028

■ 14.9521, 0.3128,
0.3288

■ 9.0693, 0.3414,
0.2891

■ 17.4746, 0.3062,
0.3407

■ 7.6332, 0.3545,
0.2754

■ 20.2949, 0.3006,
0.3518

■ 6.4392, 0.3696,
0.2624

■ 23.4222, 0.2959,
0.3621

■ 5.4736, 0.3866,
0.2507

■ 26.8655, 0.2920,
0.3716

■ 4.7212, 0.4054,
0.2414

■ 30.6334, 0.2888,
0.3803

■ 4.1652, 0.4255,
0.2356

■ 34.7342, 0.2860,
0.3883

■ 3.7860, 0.4461,
0.2340

■ 39.1758, 0.2837,
0.3957

■ 3.5030, 0.4672,
0.2347

■ 43.9660, 0.2818,
0.4024

Harmonies

Analogous

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



12.7168, 0.3080, 0.3094



12.7168, 0.3208, 0.3161



12.7168, 0.3315, 0.3261

Triad

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



12.7168, 0.3208, 0.3161



12.7168, 0.3287, 0.3508



12.7168, 0.2889, 0.3202

Complementary

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



12.7168, 0.3208, 0.3161



14.2225, 0.3054, 0.3423

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.



12.7168, 0.2942, 0.3316



12.7168, 0.3208, 0.3161



12.7168, 0.3170, 0.3496

Square

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



12.7168, 0.3208, 0.3161



12.7168, 0.3361, 0.3461



12.7168, 0.3044, 0.3425



12.7168, 0.2898, 0.3116

Rectangle

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



12.7168, 0.3208, 0.3161



12.7168, 0.3360, 0.3334



12.7168, 0.3044, 0.3425



12.7168, 0.2900, 0.3239

Sweetspot

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



12.7174, 0.3208, 0.3161



25.0624, 0.3150, 0.3252



12.4549, 0.3050, 0.3050



5.9986, 0.3156, 0.3243



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.



12.7174, 0.3208, 0.3161



21.5504, 0.3227, 0.3133



12.6115, 0.3286, 0.3279



3.1419, 0.3198, 0.3177



4.1740, 0.4689, 0.2357



21.0913, 0.4797, 0.2416

Inverse Universe

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



12.7174, 0.3208, 0.3161



21.5504, 0.3227, 0.3133



14.3342, 0.2987, 0.3302



3.1419, 0.3198, 0.3177



4.1740, 0.4689, 0.2357



21.0913, 0.4797, 0.2416

Previews

White Background



This preview shows how the Yxy color 12.7168, 0.3208, 0.3161 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 12.7168, 0.3208, 0.3161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

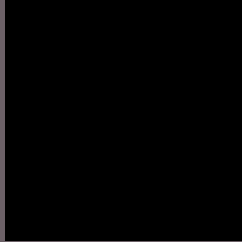
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.7168, 0.3208, 0.3161

Background



This preview shows how black text looks on a background with the Yxy color 12.7168, 0.3208, 0.3161.



This preview shows how white text looks on a background with the Yxy color 12.7168, 0.3208, 0.3161.

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

12.7168, 0.3208, 0.3161

Protanopia

12.6325, 0.3074, 0.3179

Deuteranopia

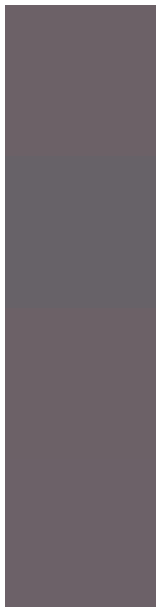
12.7168, 0.3208, 0.3161



Tritanopia

12.7370, 0.3194, 0.3140

Trichromacy



Original Color

12.7168, 0.3208, 0.3161

Protanomaly

12.6184, 0.3119, 0.3158

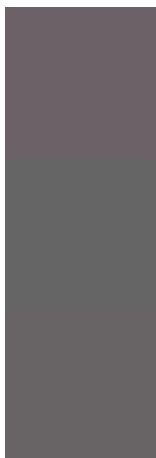
Deuteranomaly

12.7168, 0.3208, 0.3161

Tritanomaly

12.7370, 0.3194, 0.3140

Monochromacy



Original Color

12.7168, 0.3208, 0.3161

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.0167, 0.3158, 0.3246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7168, 0.3208, 0.3161 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(108, 97, 103)` looks like.

```
.text, #text, p{  
    color:rgb(108, 97, 103)  
}
```

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(108, 97, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 97, 103) }
```

Border

The CSS property to change the border of an element to Yxy 12.7168, 0.3208, 0.3161 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(108, 97, 103) }
```

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

```
.border{ border-color:rgb(108, 97, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 97, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 97, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 97, 103);  
box-shadow:4px 4px 4px 4px rgb(108, 97,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7168, 0.3208, 0.3161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 97, 103) }
```

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

```
.background{ background-color: rgb(108, 97,  
103) }
```

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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