

Converting Colors

$Y_{xy}(12.1004, 0.3300, 0.2879)$

Have a look what the booklet for
Yxy(12.1004, 0.3300, 0.2879)
contains.

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Color

Yxy(12.1708, 0.3304, 0.2885)

Conversions

Conversions Part 1

Format	Color
Hex	77596D
RGB	119, 89, 109
RGB Percent	47%, 35%, 43%
CMY	0.5334, 0.6509, 0.5726
CMYK	0.00, 0.25, 0.08, 0.53
HSL	320°, 14%, 41%
HSV	320°, 25%, 47%
XYZ	13.9384, 12.1708, 16.0773
YIQ	100.2500, 11.4600, 12.5800

Conversions

Conversions Part 2

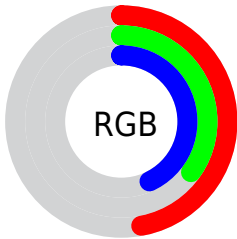
Format	Color
R_{YB}	119, 89, 109
Decimal	7821677
CIE Lab	41.49, 15.88, -6.60
CIE LCh	41, 17.200, 337.452
Yxy	12.1708, 0.3304, 0.2885
Android (android.graphics.Color)	4286011757 (0xFF77596D)
YUV	100.2500, 4.3138, 16.4438
Hunter-Lab	34.8867, 10.2651, -2.9027

Details

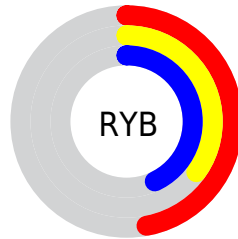
The Yxy color **12.1708, 0.3304, 0.2885** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **16.2165, 0.2985, 0.3733**, and the grayscale version is **12.7977, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7740, 0.3270, 0.2988**, and **3.3776, 0.3374, 0.2676** is the 20% darker color. If you saturate the color by 10%, you get **10.2646, 0.3395, 0.2719**, and if you desaturate by 10%, it is **14.4021, 0.3225, 0.3050**.

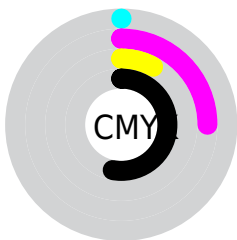
Distribution



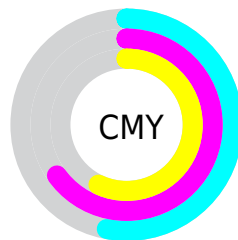
- Red (47%)
- Green (35%)
- Blue (43%)



- Red (47%)
- Yellow (35%)
- Blue (43%)



- Cyan (0%)
- Magenta (25%)
- Yellow (8%)
- Black (53%)





- Cyan (53%)
- Magenta (65%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1708, 0.3304, 0.2885 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 12.1708, 0.3304, 0.2885 by changing the saturation by 10% instead.


 12.1708, 0.3304,
0.2885


 12.1708, 0.3304,
0.2885


205.5328, 0.3199,
0.3126


 6.8601, 0.3338,
0.2807


 29.8058, 0.3261,
0.2984


 3.3748, 0.3388,
0.2691

 42.8989, 0.3246,
0.3018

 1.3304, 0.3469,
0.2503

 59.3549, 0.3235,
0.3045

 0.1645, 0.4034,
0.1220

 79.5583, 0.3225,
0.3067

 0.0000, 0.0000,
0.0000

 103.8933, 0.3217,
0.3085

132.7445, 0.3210,

0.3101

166.4962, 0.3204,
0.3114

■ 12.1708, 0.3304,
0.2885

■ 12.1708, 0.3304,
0.2885

■ 10.2646, 0.3395,
0.2719

■ 14.4021, 0.3225,
0.3050

■ 8.6665, 0.3499,
0.2557

■ 16.9712, 0.3158,
0.3210

■ 7.3603, 0.3615,
0.2407


■ 19.8922, 0.3101,
0.3362

■ 6.3278, 0.3742,
0.2278


■ 23.1779, 0.3053,
0.3505


■ 5.5487, 0.3878,
0.2181


■ 26.8404, 0.3012,
0.3637


 4.9997, 0.4017,
0.2123


 30.8912, 0.2978,
0.3760

 4.6420, 0.4157,
0.2107

 35.3414, 0.2950,
0.3873

 4.4896, 0.4227,
0.2102

 40.2016, 0.2926,
0.3977

 45.4822, 0.2906,
0.4072

Harmonies

Analogous

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



12.1708, 0.2924, 0.2718



12.1708, 0.3304, 0.2885



12.1708, 0.3652, 0.3147

Triad

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



12.1708, 0.3304, 0.2885



12.1708, 0.3638, 0.3932



12.1708, 0.2450, 0.3055

Complementary

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



12.1708, 0.3304, 0.2885



16.2165, 0.2985, 0.3733

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.



12.1708, 0.2618, 0.3411



12.1708, 0.3304, 0.2885



12.1708, 0.3297, 0.3948

Square

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



12.1708, 0.3304, 0.2885



12.1708, 0.3847, 0.3741



12.1708, 0.2924, 0.3753



12.1708, 0.2450, 0.2795

Rectangle

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



12.1708, 0.3304, 0.2885



12.1708, 0.3810, 0.3350



12.1708, 0.2924, 0.3753



12.1708, 0.2488, 0.3168

Sweetspot

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



12.1713, 0.3304, 0.2885



28.9471, 0.3177, 0.3163



11.1309, 0.2859, 0.2641



6.7169, 0.3186, 0.3142



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



12.1713, 0.3304, 0.2885



19.8285, 0.3353, 0.2792



11.8759, 0.3542, 0.3187



3.7381, 0.3182, 0.3150



4.7691, 0.4231, 0.2104



23.0765, 0.4300, 0.2142

Inverse Universe

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



12.1713, 0.3304, 0.2885



19.8285, 0.3353, 0.2792



16.5301, 0.2826, 0.3397



3.7381, 0.3182, 0.3150



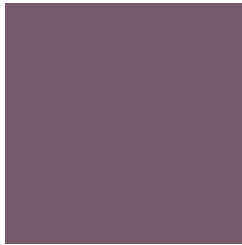
4.7691, 0.4231, 0.2104



23.0765, 0.4300, 0.2142

Previews

White Background



This preview shows how the Yxy color 12.1708, 0.3304, 0.2885 looks on a white background.

Color Contrast Check

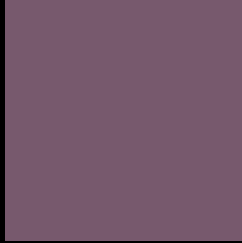
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.1708, 0.3304, 0.2885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

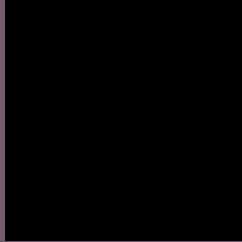
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.1708, 0.3304, 0.2885

Background



This preview shows how black text looks on a background with the Yxy color 12.1708, 0.3304, 0.2885.



This preview shows how white text looks on a background with the Yxy color 12.1708, 0.3304, 0.2885.

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

12.1708, 0.3304, 0.2885

Protanopia

12.1972, 0.2874, 0.2913

Deuteranopia

12.1507, 0.3066, 0.3006



Tritanopia

12.2156, 0.3455, 0.3145

Trichromacy



Original Color

12.1708, 0.3304, 0.2885

Protanomaly

12.1183, 0.3026, 0.2902

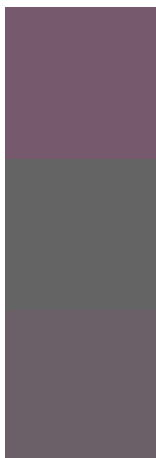
Deuteranomaly

12.1626, 0.3157, 0.2971

Tritanomaly

12.1232, 0.3394, 0.3042

Monochromacy



Original Color

12.1708, 0.3304, 0.2885

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.4708, 0.3195, 0.3138

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1708, 0.3304, 0.2885 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(119, 89, 109)` looks like.

```
.text, #text, p{  
    color:rgb(119, 89, 109)  
}
```

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(119, 89, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 89, 109) }
```

Border

The CSS property to change the border of an element to Yxy 12.1708, 0.3304, 0.2885 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(119, 89, 109) }
```

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

```
.border{ border-color:rgb(119, 89, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 89, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 89, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 89, 109);  
box-shadow:4px 4px 4px 4px rgb(119, 89,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1708, 0.3304, 0.2885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 89, 109) }
```

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

```
.background{ background-color: rgb(119, 89,  
109) }
```

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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