

Converting Colors

$Y_{xy}(12.7962, 0.2828, 0.2771)$

Have a look what the booklet for
Yxy(12.7962, 0.2828, 0.2771)
contains.

Yxy(12.7932, 0.2831, 0.2780)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.7932, 0.2831, 0.2780)

Conversions

Conversions Part 1

Format	Color
Hex	63627A
RGB	99, 98, 122
RGB Percent	39%, 38%, 48%
CMY	0.6117, 0.6157, 0.5215
CMYK	0.19, 0.20, 0.00, 0.52
HSL	243°, 11%, 43%
HSV	243°, 20%, 48%
XYZ	13.0279, 12.7932, 20.1976
YIQ	101.0350, -7.1080, 7.6760

Conversions

Conversions Part 2

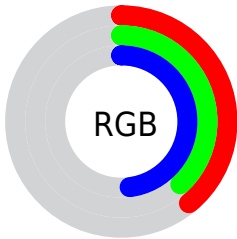
Format	Color
R_{YB}	99, 98, 122
Decimal	6513274
CIE Lab	42.45, 5.86, -13.29
CIE LCh	42, 14.522, 293.799
Yxy	12.7932, 0.2831, 0.2780
Android (android.graphics.Color)	4284703354 (0xFF63627A)
YUV	101.0350, 10.3357, -1.7847
Hunter-Lab	35.7676, 2.4231, -8.4432

Details

The Yxy color **12.7932, 0.2831, 0.2780** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.8669, 0.3395, 0.3757**, and the grayscale version is **12.9985, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0349, 0.2910, 0.2917**, and **3.6671, 0.2686, 0.2560** is the 20% darker color. If you saturate the color by 10%, you get **10.0708, 0.2654, 0.2478**, and if you desaturate by 10%, it is **15.9599, 0.2991, 0.3054**.

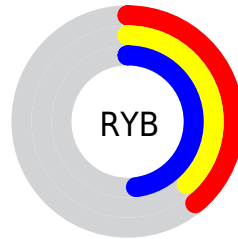
Distribution



Red (39%)

Green (38%)

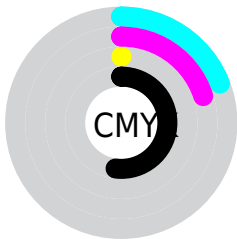
Blue (48%)



Red (39%)

Yellow (38%)

Blue (48%)

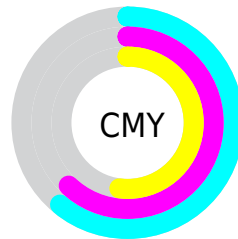


Cyan (19%)

Magenta (20%)

Yellow (0%)

Black (52%)



Cyan (61%)

Magenta (62%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.7932, 0.2831, 0.2780 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 12.7932, 0.2831, 0.2780 by changing the saturation by 10% instead.

■ 12.7932, 0.2831,
0.2780

■ 12.7932, 0.2831,
0.2780

■ 209.5880, 0.3011,
0.3082

■ 7.2863, 0.2770,
0.2682

■ 30.9318, 0.2907,
0.2904

■ 3.6418, 0.2678,
0.2539

■ 44.3322, 0.2932,
0.2946

■ 1.4753, 0.2526,
0.2310

■ 61.1326, 0.2952,
0.2980

■ 0.2712, 0.2087,
0.1412

■ 81.7174, 0.2968,
0.3008

■ 0.0000, 0.0000,
0.0000

■ 106.4709, 0.2981,
0.3031

■ 135.7776, 0.2993,

0.3051

170.0219, 0.3003,
0.3068

■ 12.7932, 0.2831,
0.2780

■ 12.7932, 0.2831,
0.2780

■ 10.0708, 0.2654,
0.2478

■ 15.9599, 0.2991,
0.3054

■ 7.7714, 0.2462,
0.2152

■ 19.5879, 0.3131,
0.3297

■ 5.8741, 0.2261,
0.1816

■ 23.6952, 0.3254,
0.3511

■ 4.3560, 0.2062,
0.1484

■ 28.2983, 0.3361,
0.3697

■ 3.1914, 0.1877,
0.1181

■ 33.4130, 0.3453,
0.3858

■ 2.3519, 0.1720,
0.0928

■ 39.0544, 0.3532,
0.3998

■ 1.8043, 0.1603,
0.0744

■ 45.2370, 0.3600,
0.4119

■ 1.4497, 0.1524,
0.0616

■ 51.9747, 0.3658,
0.4223

■ 1.4388, 0.1521,
0.0612

■ 59.2808, 0.3709,
0.4314

Harmonies

Analogous

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



12.7932, 0.2620, 0.2809



12.7932, 0.2831, 0.2780



12.7932, 0.3130, 0.2873

Triad

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



12.7932, 0.2831, 0.2780



12.7932, 0.3750, 0.3568



12.7932, 0.2809, 0.3527

Complementary

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



12.7932, 0.2831, 0.2780



18.8669, 0.3395, 0.3757

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.



12.7932, 0.3100, 0.3763



12.7932, 0.2831, 0.2780



12.7932, 0.3650, 0.3769

Square

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



12.7932, 0.2831, 0.2780



12.7932, 0.3674, 0.3313



12.7932, 0.3409, 0.3849



12.7932, 0.2608, 0.3228

Rectangle

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



12.7932, 0.2831, 0.2780



12.7932, 0.3342, 0.2992



12.7932, 0.3409, 0.3849



12.7932, 0.2899, 0.3618

Sweetspot

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



12.7937, 0.2831, 0.2780



30.2362, 0.3042, 0.3143



17.7272, 0.2846, 0.3273



6.8445, 0.3035, 0.3131



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.



12.7937, 0.2831, 0.2780



20.0634, 0.2746, 0.2635



13.5068, 0.2991, 0.2803



3.9009, 0.3000, 0.3070



1.5137, 0.1521, 0.0611



7.1262, 0.1509, 0.0605

Inverse Universe

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



14.2531, 0.3163, 0.2845



23.1665, 0.3172, 0.2732



18.0670, 0.3243, 0.3781



4.0747, 0.3143, 0.3088



5.7034, 0.3315, 0.1600



27.1729, 0.3321, 0.1603

Previews

White Background



This preview shows how the Yxy color 12.7932, 0.2831, 0.2780 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 12.7932, 0.2831, 0.2780 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 12.7932, 0.2831, 0.2780

Background



This preview shows how black text looks on a background with the Yxy color 12.7932, 0.2831, 0.2780.



This preview shows how white text looks on a background with the Yxy color 12.7932, 0.2831, 0.2780.

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

12.7932, 0.2831, 0.2780

Protanopia

12.7866, 0.2768, 0.2775

Deuteranopia

12.7932, 0.2831, 0.2780



Tritanopia

12.7384, 0.2979, 0.3112

Trichromacy



Original Color

12.7932, 0.2831, 0.2780

Protanomaly

12.8405, 0.2781, 0.2777

Deuteranomaly

12.7932, 0.2831, 0.2780

Tritanomaly

12.7126, 0.2929, 0.2983

Monochromacy



Original Color

12.7932, 0.2831, 0.2780

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.9278, 0.3008, 0.3093

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7932, 0.2831, 0.2780 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(99, 98, 122) looks like.

```
.text, #text, p{  
    color:rgb(99, 98, 122)  
}
```

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(99, 98, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 98, 122) }
```

Border

The CSS property to change the border of an element to Yxy 12.7932, 0.2831, 0.2780 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(99, 98, 122) }
```

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

```
.border{ border-color:rgb(99, 98, 122) }
```

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

Here you see how a box with a 4 pixel rgb(99, 98, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 98, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 98, 122);  
box-shadow:4px 4px 4px 4px rgb(99, 98,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7932, 0.2831, 0.2780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 98, 122) }
```

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

```
.background{ background-color: rgb(99, 98,  
122) }
```

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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