

Converting Colors

$Y_{xy}(30.8958, 0.2997, 0.3003)$

Have a look what the booklet for
Yxy(30.8958, 0.2997, 0.3003)
contains.

Yxy(30.7793, 0.2992, 0.2990)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.7793, 0.2992, 0.2990)

Conversions

Conversions Part 1

Format	Color
Hex	9994A8
RGB	153, 148, 168
RGB Percent	60%, 58%, 66%
CMY	0.3998, 0.4196, 0.3412
CMYK	0.09, 0.12, 0.00, 0.34
HSL	255°, 10%, 62%
HSV	255°, 12%, 66%
XYZ	30.7999, 30.7793, 41.3616
YIQ	151.7750, -3.4400, 7.2800

Conversions

Conversions Part 2

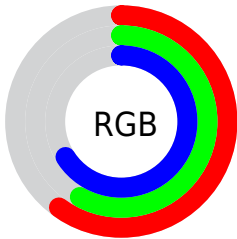
Format	Color
R_{YB}	153, 148, 168
Decimal	10065064
CIE Lab	62.32, 5.84, -9.81
CIE LCh	62, 11.418, 300.770
Yxy	30.7793, 0.2992, 0.2990
Android (android.graphics.Color)	4288255144 (0xFF9994A8)
YUV	151.7750, 7.9989, 1.0743
Hunter-Lab	55.4791, 2.0080, -5.3674

Details

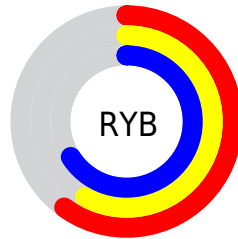
The Yxy color **30.7793, 0.2992, 0.2990** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.9232, 0.3253, 0.3582**, and the grayscale version is **31.2661, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.8342, 0.3018, 0.3051**, and **12.6351, 0.2945, 0.2883** is the 20% darker color. If you saturate the color by 10%, you get **24.7286, 0.2860, 0.2709**, and if you desaturate by 10%, it is **37.7261, 0.3107, 0.3245**.

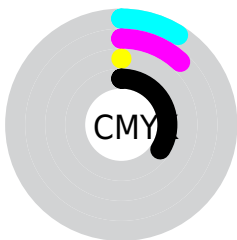
Distribution



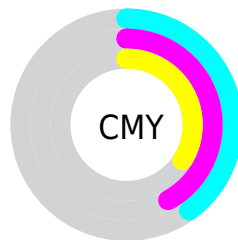
- Red (60%)
- Green (58%)
- Blue (66%)



- Red (60%)
- Yellow (58%)
- Blue (66%)



- Cyan (9%)
- Magenta (12%)
- Yellow (0%)
- Black (34%)



- Cyan (40%)
- Magenta (42%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.7793, 0.2992, 0.2990 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 30.7793, 0.2992, 0.2990 by changing the saturation by 10% instead.

■ 30.7793, 0.2992,
0.2990

■ 30.7793, 0.2992,
0.2990

■ 305.5203, 0.3065,
0.3148

■ 20.4308, 0.2972,
0.2948

■ 60.8924, 0.3020,
0.3049

■ 12.7086, 0.2945,
0.2892

■ 81.4259, 0.3030,
0.3071

■ 7.2282, 0.2906,
0.2814

■ 106.1232, 0.3038,
0.3089

■ 3.6052, 0.2848,
0.2700

■ 135.3686, 0.3045,
0.3105

■ 1.4553, 0.2748,
0.2513

■ 169.5467, 0.3051,
0.3118

■ 0.2569, 0.2403,
0.1596

■ 209.0417, 0.3056,

■ 0.0000, 0.0000,

0.3129

0.0000

254.2381, 0.3061,
0.3139

■ 30.7793, 0.2992,
0.2990

■ 30.7793, 0.2992,
0.2990

■ 24.7286, 0.2860,
0.2709

■ 37.7261, 0.3107,
0.3245

■ 19.5335, 0.2712,
0.2405

■ 45.5998, 0.3206,
0.3472

■ 15.1557, 0.2548,
0.2086

■ 54.4345, 0.3291,
0.3673

■ 11.5530, 0.2374,
0.1762

■ 64.2611, 0.3363,
0.3851

■ 8.6788, 0.2196,
0.1450

■ 75.1097, 0.3424,
0.4007

■ 6.4818, 0.2023,
0.1170

■ 87.0085, 0.3476,
0.4143

■ 4.9036, 0.1867,
0.0941

■ 93.0409, 0.3547,
0.4173

■ 3.8753, 0.1737,
0.0777

■ 95.3276, 0.3633,
0.4147

■ 3.3277, 0.1653,
0.0684

■ 95.6070, 0.3643,
0.4143

Harmonies

Analogous

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



30.7793, 0.2849, 0.2993



30.7793, 0.2992, 0.2990



30.7793, 0.3175, 0.3061

Triad

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



30.7793, 0.2992, 0.2990



30.7793, 0.3486, 0.3492



30.7793, 0.2906, 0.3390

Complementary

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



30.7793, 0.2992, 0.2990



37.9232, 0.3253, 0.3582

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.



30.7793, 0.3072, 0.3536



30.7793, 0.2992, 0.2990



30.7793, 0.3409, 0.3591

Square

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



30.7793, 0.2992, 0.2990



30.7793, 0.3465, 0.3345



30.7793, 0.3256, 0.3610



30.7793, 0.2801, 0.3219

Rectangle

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



30.7793, 0.2992, 0.2990



30.7793, 0.3296, 0.3142



30.7793, 0.3256, 0.3610



30.7793, 0.2956, 0.3444

Sweetspot

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



30.7806, 0.2992, 0.2990



65.5922, 0.3084, 0.3192



35.3151, 0.2947, 0.3215



14.0893, 0.3075, 0.3174



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



30.7806, 0.2992, 0.2990



53.1350, 0.2963, 0.2926



31.7904, 0.3090, 0.2999



7.3886, 0.3024, 0.3059



2.5343, 0.1661, 0.0689



0.0852, 0.2011, 0.0881

Inverse Universe

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



32.1443, 0.3189, 0.3074



56.0600, 0.3202, 0.3030



36.9137, 0.3159, 0.3590



7.6338, 0.3174, 0.3123



7.4249, 0.3956, 0.1953



0.1882, 0.3663, 0.1791

Previews

White Background



This preview shows how the Yxy color 30.7793, 0.2992, 0.2990 looks on a white background.

Color Contrast Check

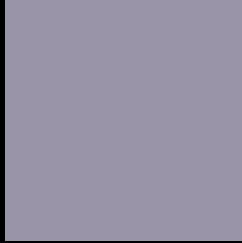
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 30.7793, 0.2992, 0.2990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

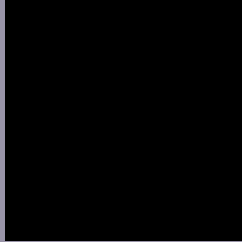
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

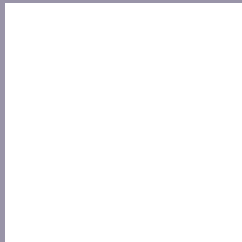
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.7793, 0.2992, 0.2990

Background



This preview shows how black text looks on a background with the Yxy color 30.7793, 0.2992, 0.2990.



This preview shows how white text looks on a background with the Yxy color 30.7793, 0.2992, 0.2990.

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

30.7793, 0.2992, 0.2990

Protanopia

30.9732, 0.2935, 0.3002

Deuteranopia

30.8627, 0.3031, 0.2979



Tritanopia

30.7435, 0.3045, 0.3107

Trichromacy



Original Color

30.7793, 0.2992, 0.2990

Protanomaly

30.8435, 0.2954, 0.2988

Deuteranomaly

30.7625, 0.3021, 0.2978

Tritanomaly

30.8506, 0.3018, 0.3063

Monochromacy



Original Color

30.7793, 0.2992, 0.2990

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.2772, 0.3072, 0.3183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7793, 0.2992, 0.2990 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(153, 148, 168)` looks like.

```
.text, #text, p{  
    color:rgb(153, 148, 168)  
}
```

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(153, 148, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 148, 168) }
```

Border

The CSS property to change the border of an element to Yxy 30.7793, 0.2992, 0.2990 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(153, 148, 168) }
```

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

```
.border{ border-color:rgb(153, 148, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 148, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 148, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 148, 168);  
box-shadow:4px 4px 4px 4px rgb(153, 148,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7793, 0.2992, 0.2990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 148, 168) }
```

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

```
.background{ background-color: rgb(153,  
148, 168) }
```

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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