

Converting Colors

$Y_{xy}(30.3183, 0.2932, 0.3775)$

Have a look what the booklet for
Yxy(30.3183, 0.2932, 0.3775)
contains.

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Color

Yxy(30.3183, 0.2932, 0.3775)

Conversions

Conversions Part 1

Format	Color
Hex	71A084
RGB	113, 160, 132
RGB Percent	44%, 63%, 52%
CMY	0.5568, 0.3726, 0.4823
CMYK	0.29, 0.00, 0.17, 0.37
HSL	144°, 20%, 54%
HSV	144°, 29%, 63%
XYZ	23.5479, 30.3183, 26.4472
YIQ	142.7550, -19.0240, -18.6720

Conversions

Conversions Part 2

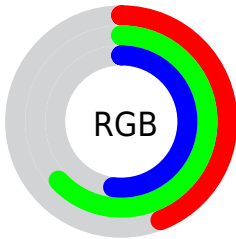
Format	Color
RYB	113, 146, 160
Decimal	7446660
CIELab	61.93, -21.86, 9.57
CIELCh	62, 23.867, 156.358
Yxy	30.3183, 0.2932, 0.3775
Android (android.graphics.Color)	4285636740 (0xFF71A084)
YUV	142.7550, -5.3022, -26.0951
Hunter-Lab	55.0621, -20.0211, 10.0655

Details

The Yxy color **30.3183, 0.2932, 0.3775** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.2097, 0.3389, 0.2851**, and the grayscale version is **27.3947, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2107, 0.2976, 0.3673**, and **12.4064, 0.2850, 0.3940** is the 20% darker color. If you saturate the color by 10%, you get **29.1010, 0.2874, 0.3974**, and if you desaturate by 10%, it is **31.7491, 0.2996, 0.3593**.

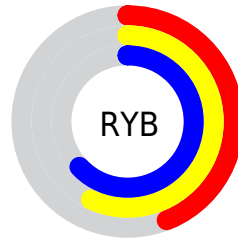
Distribution



Red (44%)

Green (63%)

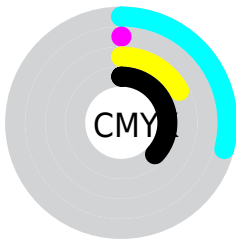
Blue (52%)



Red (44%)

Yellow (57%)

Blue (63%)

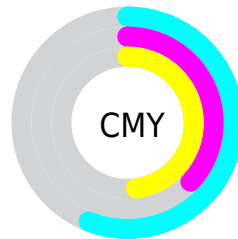


Cyan (29%)

Magenta (0%)

Yellow (17%)

Black (37%)



Cyan (56%)


Magenta (37%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.3183, 0.2932, 0.3775 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 30.3183, 0.2932, 0.3775 by changing the saturation by 10% instead.


 30.3183, 0.2932,
0.3775


 30.3183, 0.2932,
0.3775


303.3853, 0.3040,
0.3507


 20.0803, 0.2901,
0.3852


 60.1652, 0.2974,
0.3671


 12.4534, 0.2857,
0.3957


 80.5429, 0.2989,
0.3634

 7.0533, 0.2794,
0.4112


 105.0693, 0.3002,
0.3603

 3.4954, 0.2692,
0.4357

 134.1287, 0.3012,
0.3578

 1.3955, 0.2500,
0.4836

168.1057, 0.3021,
0.3556

 0.2134, 0.0000,
1.0000

207.3845, 0.3028,

 0.0000, 0.0000,

0.3538

0.0000

252.3496, 0.3035,
0.3521

■ 30.3183, 0.2932,
0.3775

■ 30.3183, 0.2932,
0.3775

■ 29.1010, 0.2874,
0.3974

■ 31.7491, 0.2996,
0.3593

■ 28.0828, 0.2825,
0.4188

■ 33.3993, 0.3063,
0.3428

■ 27.2538, 0.2788,
0.4412

■ 35.2792, 0.3131,
0.3281


■ 26.6013, 0.2766,
0.4641


■ 37.3974, 0.3200,
0.3151

■ 26.1111, 0.2761,
0.4867


■ 39.7621, 0.3266,
0.3036


 25.7668, 0.2775,
0.5083


 42.3810, 0.3330,
0.2936

 25.5334, 0.2802,
0.5281

 45.2614, 0.3392,
0.2848

 25.5199, 0.2804,
0.5294

 48.4106, 0.3450,
0.2771

 51.4515, 0.3488,
0.2701

Harmonies

Analogous

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



30.3183, 0.3314, 0.3967



30.3183, 0.2932, 0.3775



30.3183, 0.2615, 0.3428

Triad

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



30.3183, 0.2932, 0.3775



30.3183, 0.2597, 0.2669



30.3183, 0.3869, 0.3445

Complementary

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



30.3183, 0.2932, 0.3775



21.2097, 0.3389, 0.2851

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.



30.3183, 0.3654, 0.3133



30.3183, 0.2932, 0.3775



30.3183, 0.2906, 0.2701

Square

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



30.3183, 0.2932, 0.3775



30.3183, 0.2432, 0.2791



30.3183, 0.3293, 0.2868



30.3183, 0.3868, 0.3741

Rectangle

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



30.3183, 0.2932, 0.3775



30.3183, 0.2479, 0.3177



30.3183, 0.3293, 0.2868



30.3183, 0.3819, 0.3339

Sweetspot

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



30.3196, 0.2932, 0.3775



60.7057, 0.3064, 0.3425



32.0148, 0.3364, 0.4053



13.2177, 0.3055, 0.3447



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



30.3196, 0.2932, 0.3775



53.6127, 0.2895, 0.3899



31.0298, 0.2748, 0.3367



7.4433, 0.3064, 0.3426



19.8880, 0.2799, 0.5276



0.3637, 0.2581, 0.4493

Inverse Universe

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



21.2097, 0.3389, 0.2851



34.4291, 0.3464, 0.2754



20.5880, 0.3695, 0.3216



6.7091, 0.3196, 0.3158



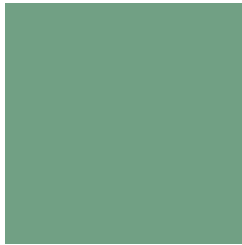
6.4783, 0.4525, 0.2266



0.1241, 0.3885, 0.1914

Previews

White Background



This preview shows how the Yxy color 30.3183, 0.2932, 0.3775 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 30.3183, 0.2932, 0.3775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

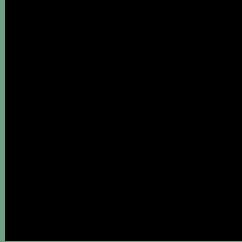
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.3183, 0.2932, 0.3775

Background



This preview shows how black text looks on a background with the Yxy color 30.3183, 0.2932, 0.3775.



This preview shows how white text looks on a background with the Yxy color 30.3183, 0.2932, 0.3775.

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

30.3183, 0.2932, 0.3775

Protanopia

30.1693, 0.3438, 0.3650

Deuteranopia

30.1308, 0.3491, 0.3426



Tritanopia

30.2258, 0.2707, 0.3095

Trichromacy



Original Color

30.3183, 0.2932, 0.3775

Protanomaly

30.0037, 0.3239, 0.3699

Deuteranomaly

29.9235, 0.3271, 0.3545

Tritanomaly

30.2289, 0.2786, 0.3339

Monochromacy



Original Color

30.3183, 0.2932, 0.3775

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.2645, 0.3049, 0.3457

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3183, 0.2932, 0.3775 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(113, 160, 132)` looks like.

```
.text, #text, p{  
    color:rgb(113, 160, 132)  
}
```

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(113, 160, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 160, 132) }
```

Border

The CSS property to change the border of an element to Yxy 30.3183, 0.2932, 0.3775 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(113, 160, 132) }
```

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

```
.border{ border-color:rgb(113, 160, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 160, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 160, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 160, 132);  
box-shadow:4px 4px 4px 4px rgb(113, 160,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3183, 0.2932, 0.3775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 160, 132) }
```

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

```
.background{ background-color: rgb(113,  
160, 132) }
```

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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