

Converting Colors

$Y_{xy}(30.7729, 0.2839, 0.3828)$

Have a look what the booklet for
Yxy(30.7729, 0.2839, 0.3828)
contains.

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Color

Yxy(30.7126, 0.2836, 0.3818)

Conversions

Conversions Part 1

Format	Color
Hex	66A385
RGB	102, 163, 133
RGB Percent	40%, 64%, 52%
CMY	0.5999, 0.3608, 0.4784
CMYK	0.37, 0.00, 0.18, 0.36
HSL	150°, 25%, 52%
HSV	150°, 37%, 64%
XYZ	22.8132, 30.7126, 26.9158
YIQ	141.3410, -26.7260, -22.2620

Conversions

Conversions Part 2

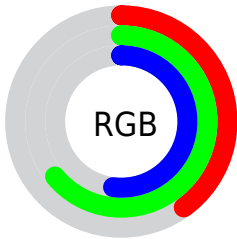
Format	Color
RYB	102, 142, 163
Decimal	6726533
CIELab	62.26, -26.61, 9.42
CIElCh	62, 28.231, 160.511
Yxy	30.7126, 0.2836, 0.3818
Android (android.graphics.Color)	4284916613 (0xFF66A385)
YUV	141.3410, -4.1121, -34.5021
Hunter-Lab	55.4189, -23.5036, 9.9974

Details

The Yxy color **30.7126, 0.2836, 0.3818** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.9631, 0.3574, 0.2821**, and the grayscale version is **26.8048, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.6565, 0.2897, 0.3704**, and **12.6972, 0.2735, 0.4032** is the 20% darker color. If you saturate the color by 10%, you get **29.6396, 0.2775, 0.3990**, and if you desaturate by 10%, it is **31.9923, 0.2907, 0.3658**.

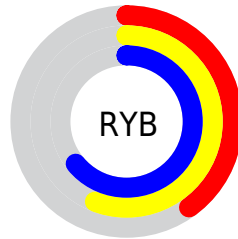
Distribution



Red (40%)

Green (64%)

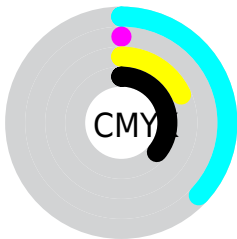
Blue (52%)



Red (40%)

Yellow (56%)

Blue (64%)

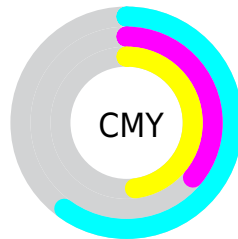


Cyan (37%)

Magenta (0%)

Yellow (18%)

Black (36%)



Cyan (60%)


Magenta (36%)

Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7126, 0.2836, 0.3818 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 30.7126, 0.2836, 0.3818 by changing the saturation by 10% instead.


 30.7126, 0.2836,
0.3818


 30.7126, 0.2836,
0.3818

305.2121, 0.2996,
0.3526


 20.3801, 0.2790,
0.3902


 60.7873, 0.2898,
0.3704


 12.6716, 0.2728,
0.4017


 81.2983, 0.2920,
0.3664

 7.2028, 0.2638,
0.4185


 105.9709, 0.2938,
0.3631

 3.5893, 0.2495,
0.4451

 135.1895, 0.2954,
0.3603

 1.4466, 0.2204,
0.4976

169.3386, 0.2967,
0.3580

 0.2507, 0.0000,
1.0000

208.8024, 0.2978,

 0.0000, 0.0000,

0.3559

0.0000

253.9654, 0.2988,
0.3542

■ 30.7126, 0.2836,
0.3818

■ 30.7126, 0.2836,
0.3818

■ 29.6396, 0.2775,
0.3990

■ 31.9923, 0.2907,
0.3658

■ 28.7581, 0.2726,
0.4172

■ 33.4855, 0.2984,
0.3512

■ 28.0569, 0.2693,
0.4361

■ 35.2031, 0.3066,
0.3379

■ 27.5218, 0.2679,
0.4551


■ 37.1543, 0.3149,
0.3260

■ 27.1364, 0.2684,
0.4739


■ 39.3477, 0.3232,
0.3155


 26.8747, 0.2706,
0.4919

 41.7914, 0.3314,
0.3062

 26.8148, 0.2712,
0.4965

 44.4934, 0.3393,
0.2980

 47.4609, 0.3470,
0.2909

 50.7012, 0.3543,
0.2846

Harmonies

Analogous

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



30.7126, 0.3279, 0.4080



30.7126, 0.2836, 0.3818



30.7126, 0.2488, 0.3386

Triad

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



30.7126, 0.2836, 0.3818



30.7126, 0.2548, 0.2562



30.7126, 0.4018, 0.3513

Complementary

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



30.7126, 0.2836, 0.3818



18.9631, 0.3574, 0.2821

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.



30.7126, 0.3796, 0.3151



30.7126, 0.2836, 0.3818



30.7126, 0.2924, 0.2625

Square

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



30.7126, 0.2836, 0.3818



30.7126, 0.2333, 0.2673



30.7126, 0.3385, 0.2835



30.7126, 0.3977, 0.3853

Rectangle

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



30.7126, 0.2836, 0.3818



30.7126, 0.2349, 0.3093



30.7126, 0.3385, 0.2835



30.7126, 0.3972, 0.3391

Sweetspot

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



30.7139, 0.2836, 0.3818



61.8296, 0.3034, 0.3428



32.1008, 0.3362, 0.4300



13.7976, 0.3024, 0.3445



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



30.7139, 0.2836, 0.3818



53.3619, 0.2784, 0.3963



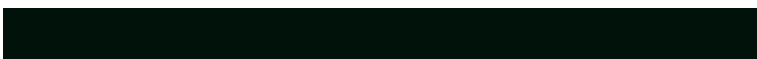
31.6646, 0.2616, 0.3289



7.9523, 0.3050, 0.3403



20.8500, 0.2708, 0.4949



0.4476, 0.2524, 0.4287

Inverse Universe

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



18.9631, 0.3574, 0.2821



29.1842, 0.3720, 0.2716



18.2563, 0.4015, 0.3293



7.1413, 0.3211, 0.3180



6.5133, 0.4952, 0.2502



0.1464, 0.4175, 0.2073

Previews

White Background



This preview shows how the Yxy color 30.7126, 0.2836, 0.3818 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 30.7126, 0.2836, 0.3818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

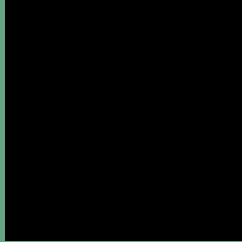
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.7126, 0.2836, 0.3818

Background



This preview shows how black text looks on a background with the Yxy color 30.7126, 0.2836, 0.3818.



This preview shows how white text looks on a background with the Yxy color 30.7126, 0.2836, 0.3818.

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

30.7126, 0.2836, 0.3818

Protanopia

30.2704, 0.3449, 0.3649

Deuteranopia

30.4920, 0.3467, 0.3410



Tritanopia

30.7735, 0.2613, 0.3077

Trichromacy



Original Color

30.7126, 0.2836, 0.3818

Protanomaly

30.0995, 0.3198, 0.3702

Deuteranomaly

30.2538, 0.3206, 0.3547

Tritanomaly

30.7641, 0.2696, 0.3339

Monochromacy



Original Color

30.7126, 0.2836, 0.3818

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.8419, 0.3008, 0.3477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7126, 0.2836, 0.3818 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(102, 163, 133)` looks like.

```
.text, #text, p{  
    color:rgb(102, 163, 133)  
}
```

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(102, 163, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 163, 133) }
```

Border

The CSS property to change the border of an element to Yxy 30.7126, 0.2836, 0.3818 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(102, 163, 133) }
```

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

```
.border{ border-color:rgb(102, 163, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 163, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 163, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 163, 133);  
box-shadow:4px 4px 4px 4px rgb(102, 163,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7126, 0.2836, 0.3818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 163, 133) }
```

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

```
.background{ background-color: rgb(102,  
163, 133) }
```

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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