

Converting Colors

$Y_{xy}(30.4382, 0.2612, 0.3089)$

Have a look what the booklet for
Yxy(30.4382, 0.2612, 0.3089)
contains.

Yxy(30.3312, 0.2611, 0.3076)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(30.3312, 0.2611, 0.3076)

Conversions

Conversions Part 1

Format	Color
Hex	6E9DAA
RGB	110, 157, 170
RGB Percent	43%, 62%, 67%
CMY	0.5685, 0.3843, 0.3333
CMYK	0.35, 0.08, 0.00, 0.33
HSL	193°, 26%, 55%
HSV	193°, 35%, 67%
XYZ	25.7460, 30.3312, 42.5288
YIQ	144.4290, -32.1850, -5.9210

Conversions

Conversions Part 2

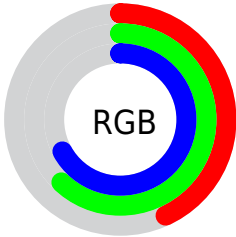
Format	Color
RYB	110, 136, 170
Decimal	7249322
CIELab	61.94, -12.43, -11.82
CIElCh	62, 17.152, 223.559
Yxy	30.3312, 0.2611, 0.3076
Android (android.graphics.Color)	4285439402 (0xFF6E9DAA)
YUV	144.4290, 12.6065, -30.1942
Hunter-Lab	55.0738, -12.9335, -7.2330

Details

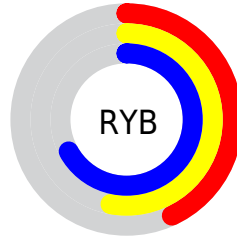
The Yxy color **30.3312, 0.2611, 0.3076** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **23.8485, 0.3877, 0.3492**, and the grayscale version is **28.0330, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.4157, 0.2717, 0.3130**, and **12.5459, 0.2447, 0.3002** is the 20% darker color. If you saturate the color by 10%, you get **28.1153, 0.2481, 0.3005**, and if you desaturate by 10%, it is **32.7964, 0.2751, 0.3143**.

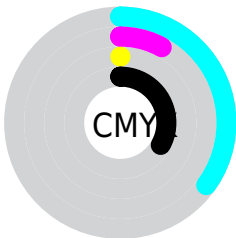
Distribution



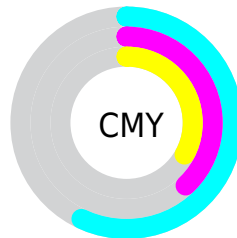
- Red (43%)
- Green (62%)
- Blue (67%)



- Red (43%)
- Yellow (53%)
- Blue (67%)



- Cyan (35%)
- Magenta (8%)
- Yellow (0%)
- Black (33%)



- Cyan (57%)
- Magenta (38%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.3312, 0.2611, 0.3076 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 30.3312, 0.2611, 0.3076 by changing the saturation by 10% instead.

■ 30.3312, 0.2611,
0.3076

■ 30.3312, 0.2611,
0.3076

■ 303.4452, 0.2883,
0.3195

■ 20.0901, 0.2539,
0.3042

■ 60.1856, 0.2713,
0.3122

■ 12.4606, 0.2443,
0.2995

■ 80.5676, 0.2750,
0.3139

■ 7.0582, 0.2311,
0.2928

■ 105.0988, 0.2782,
0.3152

■ 3.4985, 0.2117,
0.2823

■ 134.1635, 0.2808,
0.3164

■ 1.3972, 0.1809,
0.2640

■ 168.1461, 0.2831,
0.3173

■ 0.2147, 0.0000,
0.1680

■ 207.4310, 0.2850,

■ 0.0000, 0.0000,

0.3181

0.0000

252.4025, 0.2868,
0.3189

■ 30.3312, 0.2611,
0.3076

■ 30.3312, 0.2611,
0.3076

■ 28.1153, 0.2481,
0.3005

■ 32.7964, 0.2751,
0.3143

■ 26.1328, 0.2364,
0.2930

■ 35.5186, 0.2897,
0.3205

■ 24.3712, 0.2263,
0.2853

■ 38.5096, 0.3047,
0.3262

■ 22.8155, 0.2180,
0.2775

■ 41.7794, 0.3199,
0.3314

■ 21.4481, 0.2115,
0.2696

■ 45.3374, 0.3349,
0.3360

■ 20.2473, 0.2069,
0.2618

■ 49.1925, 0.3496,
0.3402

■ 19.7139, 0.2050,
0.2581

■ 53.3531, 0.3639,
0.3438

■ 57.8275, 0.3777,
0.3470

■ 61.0672, 0.3841,
0.3503

Harmonies

Analogous

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



30.3312, 0.2715, 0.3327



30.3312, 0.2611, 0.3076



30.3312, 0.2638, 0.2899

Triad

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



30.3312, 0.2611, 0.3076



30.3312, 0.3316, 0.3023



30.3312, 0.3461, 0.3776

Complementary

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



30.3312, 0.2611, 0.3076



23.8485, 0.3877, 0.3492

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.



30.3312, 0.3637, 0.3665



30.3312, 0.2611, 0.3076



30.3312, 0.3553, 0.3233

Square

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



30.3312, 0.2611, 0.3076



30.3312, 0.3035, 0.2878



30.3312, 0.3673, 0.3465



30.3312, 0.3200, 0.3749

Rectangle

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



30.3312, 0.2611, 0.3076



30.3312, 0.2726, 0.2841



30.3312, 0.3673, 0.3465



30.3312, 0.3533, 0.3752

Sweetspot

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



30.3324, 0.2611, 0.3076



66.5944, 0.2958, 0.3229



33.4984, 0.2981, 0.4095



14.6947, 0.2938, 0.3221



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



30.3324, 0.2611, 0.3076



51.9807, 0.2513, 0.3023



21.4046, 0.2542, 0.2556



8.2518, 0.2987, 0.3240



14.5851, 0.2053, 0.2589



0.4218, 0.2124, 0.2846

Inverse Universe

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



22.1396, 0.3320, 0.2603



35.3677, 0.3373, 0.2460



32.4591, 0.3725, 0.3927



7.6383, 0.3169, 0.3115



7.5434, 0.3834, 0.1886



0.1903, 0.3592, 0.1753

Previews

White Background



This preview shows how the Yxy color 30.3312, 0.2611, 0.3076 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 30.3312, 0.2611, 0.3076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

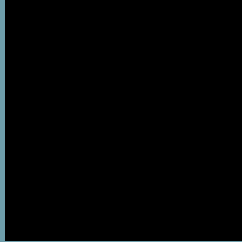
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

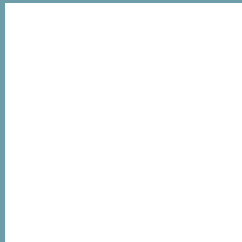
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.3312, 0.2611, 0.3076

Background



This preview shows how black text looks on a background with the Yxy color 30.3312, 0.2611, 0.3076.



This preview shows how white text looks on a background with the Yxy color 30.3312, 0.2611, 0.3076.

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

30.3312, 0.2611, 0.3076

Protanopia

30.0632, 0.2969, 0.3044

Deuteranopia

29.9048, 0.2945, 0.2886



Tritanopia

30.3312, 0.2611, 0.3076

Trichromacy



Original Color

30.3312, 0.2611, 0.3076

Protanomaly

29.9547, 0.2831, 0.3053

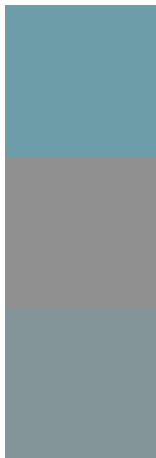
Deuteranomaly

29.7535, 0.2815, 0.2948

Tritanomaly

30.3312, 0.2611, 0.3076

Monochromacy



Original Color

30.3312, 0.2611, 0.3076

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

28.7003, 0.2922, 0.3224

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3312, 0.2611, 0.3076 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(110, 157, 170)` looks like.

```
.text, #text, p{  
    color:rgb(110, 157, 170)  
}
```

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(110, 157, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 157, 170) }
```

Border

The CSS property to change the border of an element to Yxy 30.3312, 0.2611, 0.3076 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(110, 157, 170) }
```

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

```
.border{ border-color:rgb(110, 157, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 157, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 157, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 157, 170);  
box-shadow:4px 4px 4px 4px rgb(110, 157,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3312, 0.2611, 0.3076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 157, 170) }
```

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

```
.background{ background-color: rgb(110,  
157, 170) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor