

Converting Colors

$Y_{xy}(27.6622, 0.2594, 0.3084)$

Have a look what the booklet for
Yxy(27.6622, 0.2594, 0.3084)
contains.

Yxy(27.6611, 0.2594, 0.3084)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.6611, 0.2594, 0.3084)

Conversions

Conversions Part 1

Format	Color
Hex	6797A3
RGB	103, 151, 163
RGB Percent	40%, 59%, 64%
CMY	0.5963, 0.4078, 0.3608
CMYK	0.37, 0.07, 0.00, 0.36
HSL	192°, 25%, 52%
HSV	192°, 37%, 64%
XYZ	23.2662, 27.6611, 38.7650
YIQ	138.0160, -32.4600, -6.4440

Conversions

Conversions Part 2

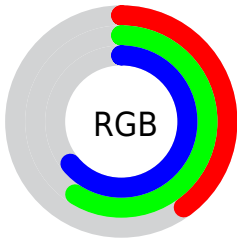
Format	Color
R_{YB}	103, 130, 163
Decimal	6789027
CIE _{Lab}	59.58, -13.01, -11.44
CIE _{LCh}	60, 17.320, 221.327
Yxy	27.6611, 0.2594, 0.3084
Android (android.graphics.Color)	4284979107 (0xFF6797A3)
YUV	138.0160, 12.3171, -30.7090
Hunter-Lab	52.5938, -13.0753, -6.8848

Details

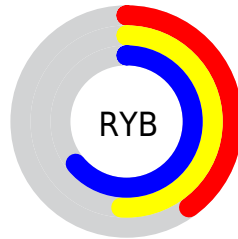
The Yxy color $27.6611, 0.2594, 0.3084$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $21.0118, 0.3925, 0.3484$, and the grayscale version is $25.3796, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.7925, 0.2699, 0.3125$, and $10.9921, 0.2421, 0.3009$ is the 20% darker color. If you saturate the color by 10%, you get $25.7578, 0.2468, 0.3019$, and if you desaturate by 10%, it is $29.7834, 0.2731, 0.3146$.

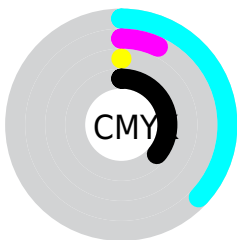
Distribution



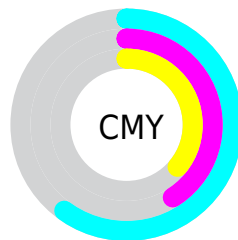
- Red (40%)
- Green (59%)
- Blue (64%)



- Red (40%)
- Yellow (51%)
- Blue (64%)



- Cyan (37%)
- Magenta (7%)
- Yellow (0%)
- Black (36%)



- Cyan (60%)
- Magenta (41%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.6611, 0.2594, 0.3084 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 27.6611, 0.2594, 0.3084 by changing the saturation by 10% instead.

■ 27.6611, 0.2594,
0.3084

■ 27.6611, 0.2594,
0.3084

■ 290.8440, 0.2879,
0.3201

■ 18.0703, 0.2517,
0.3050

■ 55.9429, 0.2702,
0.3130

■ 11.0005, 0.2413,
0.3002

■ 75.4028, 0.2741,
0.3146

■ 6.0672, 0.2269,
0.2932

■ 98.9211, 0.2774,
0.3159

■ 2.8860, 0.2054,
0.2819

■ 126.8823, 0.2801,
0.3170

■ 1.0725, 0.1686,
0.2619

■ 159.6708, 0.2825,
0.3180

■ 0.0000, 0.0000,
0.0000

197.6710, 0.2845,

0.3188

241.2673, 0.2863,
0.3195

■ 27.6611, 0.2594,
0.3084

■ 27.6611, 0.2594,
0.3084

■ 25.7578, 0.2468,
0.3019

■ 29.7834, 0.2731,
0.3146

■ 24.0590, 0.2356,
0.2950

■ 32.1317, 0.2875,
0.3203

■ 22.5534, 0.2259,
0.2880

■ 34.7167, 0.3024,
0.3256

■ 21.2273, 0.2181,
0.2808

■ 37.5473, 0.3175,
0.3305

■ 20.0645, 0.2122,
0.2736

■ 40.6322, 0.3325,
0.3348

■ 19.0412, 0.2080,
0.2665

■ 43.9792, 0.3474,
0.3387

■ 18.7325, 0.2068,
0.2643

■ 47.5961, 0.3618,
0.3421

■ 51.4903, 0.3758,
0.3451

■ 55.6686, 0.3891,
0.3478

Harmonies

Analogous

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



27.6611, 0.2711, 0.3349



27.6611, 0.2594, 0.3084



27.6611, 0.2612, 0.2893

Triad

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



27.6611, 0.2594, 0.3084



27.6611, 0.3302, 0.2998



27.6611, 0.3492, 0.3792

Complementary

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



27.6611, 0.2594, 0.3084



21.0118, 0.3925, 0.3484

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.



27.6611, 0.3666, 0.3667



27.6611, 0.2594, 0.3084



27.6611, 0.3556, 0.3213

Square

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



27.6611, 0.2594, 0.3084



27.6611, 0.3010, 0.2855



27.6611, 0.3692, 0.3454



27.6611, 0.3224, 0.3776

Rectangle

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



27.6611, 0.2594, 0.3084



27.6611, 0.2697, 0.2827



27.6611, 0.3692, 0.3454



27.6611, 0.3564, 0.3764

Sweetspot

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



27.6622, 0.2594, 0.3084



60.1005, 0.2959, 0.3234



30.2902, 0.2991, 0.4171



13.3653, 0.2939, 0.3227



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.



27.6622, 0.2594, 0.3084



46.7893, 0.2493, 0.3032



19.4346, 0.2521, 0.2558



7.7699, 0.2988, 0.3244



14.6222, 0.2069, 0.2649



0.3650, 0.2141, 0.2906

Inverse Universe

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



19.7110, 0.3317, 0.2560



30.8785, 0.3370, 0.2407



28.7072, 0.3763, 0.3925



7.1778, 0.3166, 0.3112



7.3202, 0.3777, 0.1854



0.1596, 0.3538, 0.1723

Previews

White Background



This preview shows how the Yxy color 27.6611, 0.2594, 0.3084 looks on a white 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

Black Background



This preview shows how the Yxy color 27.6611, 0.2594, 0.3084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

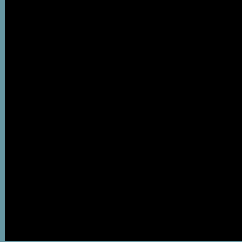
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.6611, 0.2594, 0.3084

Background



This preview shows how black text looks on a background with the Yxy color 27.6611, 0.2594, 0.3084.



This preview shows how white text looks on a background with the Yxy color 27.6611, 0.2594, 0.3084.

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

27.6611, 0.2594, 0.3084

Protanopia

27.4430, 0.2972, 0.3050

Deuteranopia

27.2928, 0.2948, 0.2886



Tritanopia

27.6611, 0.2594, 0.3084

Trichromacy



Original Color

27.6611, 0.2594, 0.3084

Protanomaly

27.2660, 0.2820, 0.3059

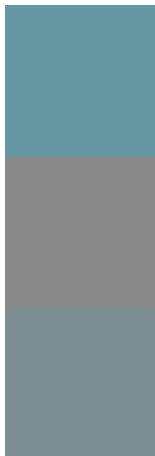
Deuteranomaly

27.0711, 0.2803, 0.2949

Tritanomaly

27.6611, 0.2594, 0.3084

Monochromacy



Original Color

27.6611, 0.2594, 0.3084

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.1115, 0.2905, 0.3221

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6611, 0.2594, 0.3084 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(103, 151, 163)` looks like.

```
.text, #text, p{  
    color:rgb(103, 151, 163)  
}
```

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(103, 151, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 151, 163) }
```

Border

The CSS property to change the border of an element to Yxy 27.6611, 0.2594, 0.3084 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(103, 151, 163) }
```

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

```
.border{ border-color:rgb(103, 151, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 151, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 151, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 151, 163);  
box-shadow:4px 4px 4px 4px rgb(103, 151,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6611, 0.2594, 0.3084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 151, 163) }
```

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

```
.background{ background-color: rgb(103,  
151, 163) }
```

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