

Converting Colors

$Y_{xy}(27.1466, 0.2834, 0.3245)$

Have a look what the booklet for
Yxy(27.1466, 0.2834, 0.3245)
contains.

Yxy(27.0625, 0.2834, 0.3238)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(27.0625, 0.2834, 0.3238)$

Conversions

Conversions Part 1

Format	Color
Hex	789396
RGB	120, 147, 150
RGB Percent	47%, 58%, 59%
CMY	0.5293, 0.4235, 0.4118
CMYK	0.20, 0.02, 0.00, 0.41
HSL	186°, 12%, 53%
HSV	186°, 20%, 59%
XYZ	23.6860, 27.0625, 32.8294
YIQ	139.2690, -17.0550, -4.7910

Conversions

Conversions Part 2

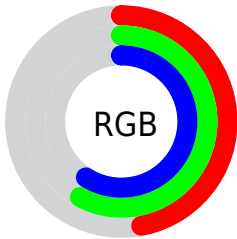
Format	Color
RYB	120, 134, 150
Decimal	7902102
CIELab	59.03, -8.77, -4.75
CIElCh	59, 9.971, 208.418
Yxy	27.0625, 0.2834, 0.3238
Android (android.graphics.Color)	4286092182 (0xFF789396)
YUV	139.2690, 5.2904, -16.8989
Hunter-Lab	52.0216, -9.7651, -1.0011

Details

The Yxy color **27.0625, 0.2834, 0.3238** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.0109, 0.3500, 0.3341**, and the grayscale version is **25.9135, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.0172, 0.2897, 0.3252**, and **10.6062, 0.2736, 0.3213** is the 20% darker color. If you saturate the color by 10%, you get **25.6097, 0.2698, 0.3209**, and if you desaturate by 10%, it is **28.6917, 0.2978, 0.3265**.

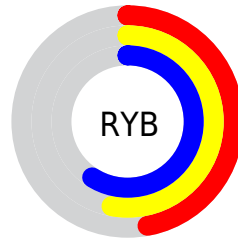
Distribution



Red (47%)

Green (58%)

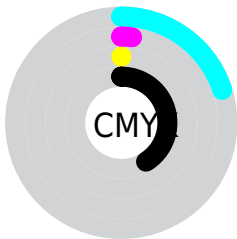
Blue (59%)



Red (47%)

Yellow (53%)

Blue (59%)

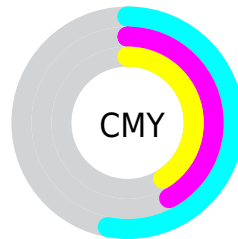


Cyan (20%)

Magenta (2%)

Yellow (0%)

Black (41%)



Cyan (53%)

Magenta (42%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.0625, 0.2834, 0.3238 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 27.0625, 0.2834, 0.3238 by changing the saturation by 10% instead.

■ 27.0625, 0.2834,
0.3238

■ 27.0625, 0.2834,
0.3238

■ 287.9596, 0.2993,
0.3268

■ 17.6202, 0.2790,
0.3229

■ 54.9841, 0.2895,
0.3250

■ 10.6776, 0.2730,
0.3216

■ 74.2322, 0.2917,
0.3254

■ 5.8505, 0.2645,
0.3197

■ 97.5177, 0.2935,
0.3258

■ 2.7544, 0.2513,
0.3164

■ 125.2250, 0.2950,
0.3260

■ 1.0049, 0.2274,
0.3104

■ 157.7384, 0.2963,
0.3263

■ 0.0000, 0.0000,
0.0000

195.4424, 0.2974,

0.3265

238.7213, 0.2984,
0.3266

■ 27.0625, 0.2834,
0.3238

■ 27.0625, 0.2834,
0.3238

■ 25.6097, 0.2698,
0.3209

■ 28.6917, 0.2978,
0.3265

■ 24.3221, 0.2574,
0.3178

■ 30.5011, 0.3127,
0.3290

■ 23.1923, 0.2463,
0.3146

■ 32.4989, 0.3280,
0.3313

■ 22.2112, 0.2367,
0.3113

■ 34.6916, 0.3432,
0.3333

■ 21.3685, 0.2290,
0.3079

■ 37.0853, 0.3583,
0.3351

■ 20.6527, 0.2230,
0.3045

■ 39.6859, 0.3731,
0.3367

■ 20.0503, 0.2189,
0.3011

■ 42.4991, 0.3875,
0.3381

■ 19.5268, 0.2161,
0.2978

■ 45.5304, 0.4013,
0.3393

■ 19.5263, 0.2161,
0.2978

■ 48.7818, 0.4145,
0.3404

Harmonies

Analogous

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



27.0625, 0.2936, 0.3393



27.0625, 0.2834, 0.3238



27.0625, 0.2809, 0.3103

Triad

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



27.0625, 0.2834, 0.3238



27.0625, 0.3158, 0.3074



27.0625, 0.3392, 0.3560

Complementary

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



27.0625, 0.2834, 0.3238



22.0109, 0.3500, 0.3341

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.



27.0625, 0.3456, 0.3466



27.0625, 0.2834, 0.3238



27.0625, 0.3319, 0.3188

Square

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



27.0625, 0.2834, 0.3238



27.0625, 0.2992, 0.3013



27.0625, 0.3429, 0.3330



27.0625, 0.3257, 0.3583

Rectangle

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



27.0625, 0.2834, 0.3238



27.0625, 0.2838, 0.3042



27.0625, 0.3429, 0.3330



27.0625, 0.3423, 0.3535

Sweetspot

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



27.0636, 0.2834, 0.3238



51.8313, 0.3035, 0.3275



27.2377, 0.3075, 0.3767



11.4469, 0.3027, 0.3274



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



27.0636, 0.2834, 0.3238



46.5731, 0.2772, 0.3225



22.7015, 0.2818, 0.2975



6.4641, 0.2990, 0.3267



16.2208, 0.2161, 0.2980



0.2216, 0.2207, 0.3145

Inverse Universe

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



22.0275, 0.3184, 0.2855



36.0804, 0.3198, 0.2755



26.0196, 0.3454, 0.3586



5.8993, 0.3152, 0.3093



6.8309, 0.3472, 0.1686



0.0859, 0.3328, 0.1607

Previews

White Background



This preview shows how the Yxy color 27.0625, 0.2834, 0.3238 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 27.0625, 0.2834, 0.3238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

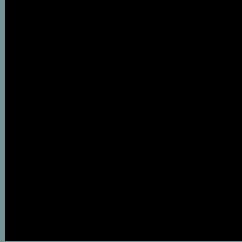
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

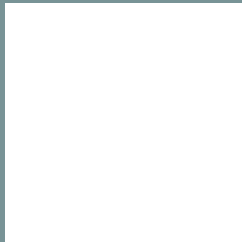
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.0625, 0.2834, 0.3238

Background



This preview shows how black text looks on a background with the Yxy color 27.0625, 0.2834, 0.3238.

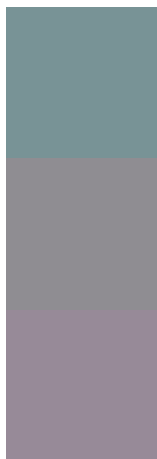


This preview shows how white text looks on a background with the Yxy color 27.0625, 0.2834, 0.3238.

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

27.0625, 0.2834, 0.3238

Protanopia

26.9647, 0.3099, 0.3209

Deuteranopia

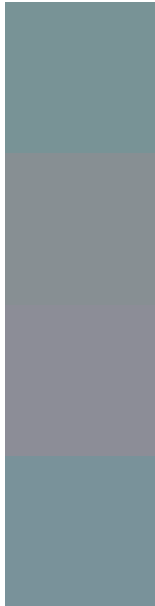
27.0233, 0.3127, 0.3070



Tritanopia

27.0570, 0.2783, 0.3105

Trichromacy



Original Color

27.0625, 0.2834, 0.3238

Protanomaly

26.9024, 0.3005, 0.3223

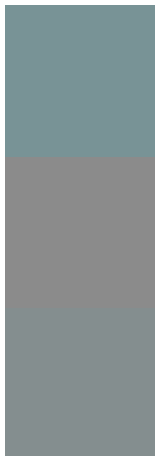
Deuteranomaly

26.8596, 0.3019, 0.3128

Tritanomaly

26.9558, 0.2808, 0.3154

Monochromacy



Original Color

27.0625, 0.2834, 0.3238

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.2347, 0.3012, 0.3273

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0625, 0.2834, 0.3238 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(120, 147, 150)` looks like.

```
.text, #text, p{  
    color:rgb(120, 147, 150)  
}
```

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(120, 147, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 147, 150) }
```

Border

The CSS property to change the border of an element to Yxy 27.0625, 0.2834, 0.3238 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(120, 147, 150) }
```

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

```
.border{ border-color:rgb(120, 147, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 147, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 147, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 147, 150);  
box-shadow:4px 4px 4px 4px rgb(120, 147,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 27.0625, 0.2834, 0.3238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 147, 150) }
```

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

```
.background{ background-color: rgb(120,  
147, 150) }
```

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