

Converting Colors

$Y_{xy}(27.2472, 0.2678, 0.3360)$

Have a look what the booklet for
Yxy(27.2472, 0.2678, 0.3360)
contains.

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Color

Yxy(27.2472, 0.2678, 0.3360)

Conversions

Conversions Part 1

Format	Color
Hex	639894
RGB	99, 152, 148
RGB Percent	39%, 60%, 58%
CMY	0.6119, 0.4039, 0.4196
CMYK	0.35, 0.00, 0.03, 0.40
HSL	175°, 21%, 49%
HSV	175°, 35%, 60%
XYZ	21.7167, 27.2472, 32.1290
YIQ	135.6970, -30.3040, -12.4800

Conversions

Conversions Part 2

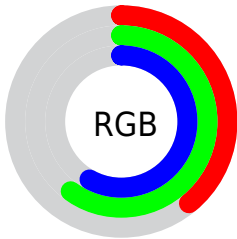
Format	Color
R_{YB}	99, 127, 152
Decimal	6527124
CIE _{Lab}	59.20, -18.48, -3.49
CIE _{LCh}	59, 18.804, 190.699
Yxy	27.2472, 0.2678, 0.3360
Android (android.graphics.Color)	4284717204 (0xFF639894)
YUV	135.6970, 6.0654, -32.1833
Hunter-Lab	52.1989, -17.0853, 0.0455

Details

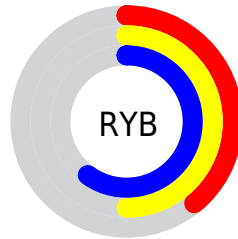
The Yxy color **27.2472, 0.2678, 0.3360** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.5746, 0.3862, 0.3224**, and the grayscale version is **24.4853, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.0823, 0.2771, 0.3341**, and **10.7988, 0.2525, 0.3396** is the 20% darker color. If you saturate the color by 10%, you get **26.4352, 0.2575, 0.3383**, and if you desaturate by 10%, it is **28.2229, 0.2795, 0.3338**.

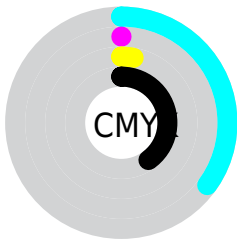
Distribution



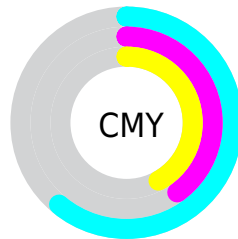
- Red (39%)
- Green (60%)
- Blue (58%)



- Red (39%)
- Yellow (50%)
- Blue (60%)



- Cyan (35%)
- Magenta (0%)
- Yellow (3%)
- Black (40%)




- Cyan (61%)
- Magenta (40%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.2472, 0.2678, 0.3360 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 27.2472, 0.2678, 0.3360 by changing the saturation by 10% instead.


 27.2472, 0.2678,
0.3360


 27.2472, 0.2678,
0.3360


288.8520, 0.2920,
0.3325


 17.7590, 0.2611,
0.3369


 55.2803, 0.2771,
0.3347

 10.7771, 0.2521,
0.3380

 74.5939, 0.2804,
0.3342

 5.9171, 0.2392,
0.3394

 97.9515, 0.2832,
0.3338

 2.7948, 0.2196,
0.3411

 125.7374, 0.2855,
0.3335

 1.0255, 0.1753,
0.3476

158.3360, 0.2875,
0.3332

 0.0000, 0.0000,
0.0000

196.1317, 0.2892,

0.3329

239.5089, 0.2907,
0.3327

■ 27.2472, 0.2678,
0.3360

■ 27.2472, 0.2678,
0.3360

■ 26.4352, 0.2575,
0.3383

■ 28.2229, 0.2795,
0.3338

■ 25.7745, 0.2488,
0.3407

■ 29.3673, 0.2922,
0.3318

■ 25.2563, 0.2418,
0.3432

■ 30.6895, 0.3058,
0.3299

■ 24.8695, 0.2366,
0.3457

■ 32.1965, 0.3200,
0.3281

■ 24.6011, 0.2333,
0.3482

■ 33.8954, 0.3345,
0.3266

■ 24.4350, 0.2317,
0.3507

■ 35.7926, 0.3491,
0.3252

■ 24.3674, 0.2311,
0.3520

■ 37.8945, 0.3635,
0.3240

■ 40.2069, 0.3777,
0.3229

■ 42.7355, 0.3915,
0.3220

Harmonies

Analogous

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



27.2472, 0.2927, 0.3646



27.2472, 0.2678, 0.3360



27.2472, 0.2549, 0.3069

Triad

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



27.2472, 0.2678, 0.3360



27.2472, 0.2992, 0.2816



27.2472, 0.3718, 0.3695

Complementary

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



27.2472, 0.2678, 0.3360



16.5746, 0.3862, 0.3224

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.



27.2472, 0.3743, 0.3461



27.2472, 0.2678, 0.3360



27.2472, 0.3311, 0.2969

Square

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



27.2472, 0.2678, 0.3360



27.2472, 0.2722, 0.2774



27.2472, 0.3591, 0.3199



27.2472, 0.3530, 0.3836

Rectangle

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



27.2472, 0.2678, 0.3360



27.2472, 0.2543, 0.2917



27.2472, 0.3591, 0.3199



27.2472, 0.3746, 0.3624

Sweetspot

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



27.2483, 0.2678, 0.3360



52.8856, 0.2985, 0.3308



26.2665, 0.3122, 0.4289



11.9526, 0.2968, 0.3311



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



27.2483, 0.2678, 0.3360



46.9300, 0.2595, 0.3378



20.8604, 0.2595, 0.2882



7.0185, 0.2999, 0.3307



20.4313, 0.2311, 0.3518



0.3075, 0.2280, 0.3406

Inverse Universe

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



16.5746, 0.3862, 0.3224



25.1501, 0.4116, 0.3209



21.2691, 0.3797, 0.3663



6.2299, 0.3272, 0.3273



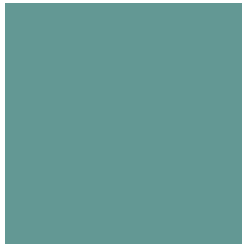
5.6205, 0.6291, 0.3239



0.0858, 0.5803, 0.2970

Previews

White Background



This preview shows how the Yxy color 27.2472, 0.2678, 0.3360 looks on a white background.

Color Contrast Check

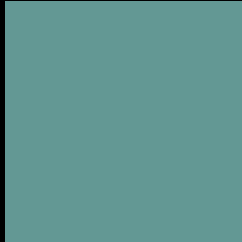
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2472, 0.2678, 0.3360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

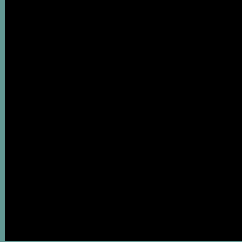
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

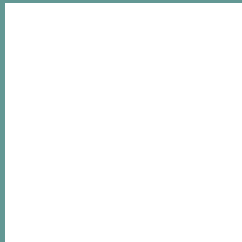
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.2472, 0.2678, 0.3360

Background



This preview shows how black text looks on a background with the Yxy color 27.2472, 0.2678, 0.3360.

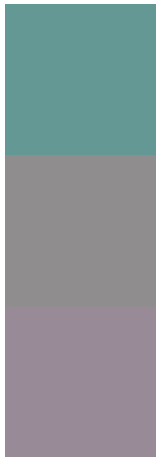


This preview shows how white text looks on a background with the Yxy color 27.2472, 0.2678, 0.3360.

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

27.2472, 0.2678, 0.3360

Protanopia

26.9320, 0.3149, 0.3274

Deuteranopia

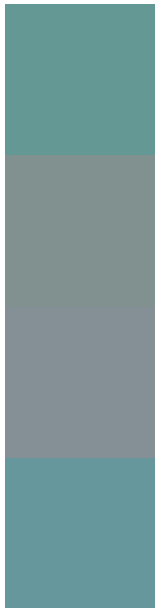
27.0867, 0.3148, 0.3086



Tritanopia

27.2461, 0.2592, 0.3083

Trichromacy



Original Color

27.2472, 0.2678, 0.3360

Protanomaly

26.8536, 0.2963, 0.3306

Deuteranomaly

26.8335, 0.2957, 0.3174

Tritanomaly

27.3342, 0.2623, 0.3184

Monochromacy



Original Color

27.2472, 0.2678, 0.3360

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.4504, 0.2949, 0.3324

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2472, 0.2678, 0.3360 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(99, 152, 148)` looks like.

```
.text, #text, p{  
    color:rgb(99, 152, 148)  
}
```

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(99, 152, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 152, 148) }
```

Border

The CSS property to change the border of an element to Yxy 27.2472, 0.2678, 0.3360 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(99, 152, 148) }
```

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

```
.border{ border-color:rgb(99, 152, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 152, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 152, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 152, 148);  
box-shadow:4px 4px 4px 4px rgb(99, 152,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2472, 0.2678, 0.3360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 152, 148) }
```

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

```
.background{ background-color: rgb(99, 152,  
148) }
```

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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