

Converting Colors

$Yxy(27.3039, 0.2609, 0.3442)$

Have a look what the booklet for
Yxy(27.3039, 0.2609, 0.3442)
contains.

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Color

Yxy(27.2128, 0.2609, 0.3434)

Conversions

Conversions Part 1

Format	Color
Hex	579A92
RGB	87, 154, 146
RGB Percent	34%, 60%, 57%
CMY	0.6588, 0.3961, 0.4274
CMYK	0.43, 0.00, 0.05, 0.40
HSL	173°, 28%, 47%
HSV	173°, 43%, 60%
XYZ	20.6751, 27.2128, 31.3573
YIQ	133.0550, -37.3640, -16.6920

Conversions

Conversions Part 2

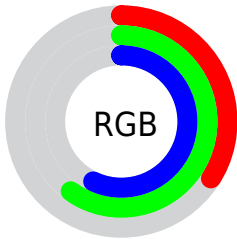
Format	Color
RYB	87, 123, 154
Decimal	5741202
CIELab	59.17, -23.31, -2.47
CIELCh	59, 23.438, 186.051
Yxy	27.2128, 0.2609, 0.3434
Android (android.graphics.Color)	4283931282 (0xFF579A92)
YUV	133.0550, 6.3819, -40.3902
Hunter-Lab	52.1659, -20.5448, 0.8764

Details

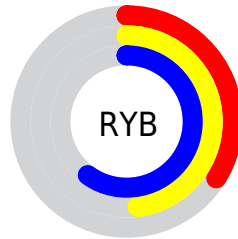
The Yxy color **27.2128, 0.2609, 0.3434** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.5149, 0.4091, 0.3158**, and the grayscale version is **23.4645, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.4338, 0.2718, 0.3408**, and **10.8521, 0.2424, 0.3481** is the 20% darker color. If you saturate the color by 10%, you get **26.4931, 0.2523, 0.3473**, and if you desaturate by 10%, it is **28.0937, 0.2710, 0.3397**.

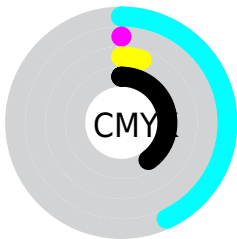
Distribution



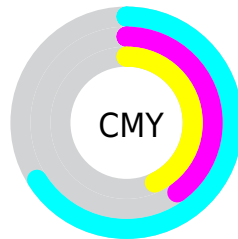
- Red (34%)
- Green (60%)
- Blue (57%)



- Red (34%)
- Yellow (48%)
- Blue (60%)



- Cyan (43%)
- Magenta (0%)
- Yellow (5%)
- Black (40%)





- Cyan (66%)
- Magenta (40%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.2128, 0.2609, 0.3434 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 27.2128, 0.2609, 0.3434 by changing the saturation by 10% instead.


 27.2128, 0.2609,
0.3434


 27.2128, 0.2609,
0.3434


288.6860, 0.2889,
0.3358


 17.7331, 0.2532,
0.3454


 55.2252, 0.2716,
0.3406

 10.7585, 0.2427,
0.3480


 74.5266, 0.2755,
0.3395

 5.9047, 0.2280,
0.3516

 97.8708, 0.2786,
0.3387

 2.7872, 0.2055,
0.3567

 125.6420, 0.2813,
0.3379

 1.0217, 0.1450,
0.3741

158.2248, 0.2836,
0.3373

 0.0000, 0.0000,
0.0000

196.0034, 0.2856,

0.3367

239.3624, 0.2874,
0.3363

■ 27.2128, 0.2609,
0.3434

■ 27.2128, 0.2609,
0.3434

■ 26.4931, 0.2523,
0.3473

■ 28.0937, 0.2710,
0.3397

■ 25.9213, 0.2453,
0.3513

■ 29.1418, 0.2824,
0.3362

■ 25.4870, 0.2402,
0.3553


■ 30.3668, 0.2948,
0.3330


■ 25.1774, 0.2370,
0.3594


■ 31.7766, 0.3080,
0.3300

■ 24.9769, 0.2355,
0.3634


■ 33.3787, 0.3216,
0.3273

 24.8782, 0.2350,
0.3661

 35.1802, 0.3355,
0.3248

 37.1877, 0.3493,
0.3227

 39.4077, 0.3631,
0.3208

 41.8463, 0.3765,
0.3191

Harmonies

Analogous

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



27.2128, 0.2932, 0.3787



27.2128, 0.2609, 0.3434



27.2128, 0.2427, 0.3060

Triad

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



27.2128, 0.2609, 0.3434



27.2128, 0.2898, 0.2691



27.2128, 0.3883, 0.3745

Complementary

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



27.2128, 0.2609, 0.3434



14.5149, 0.4091, 0.3158

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.



27.2128, 0.3881, 0.3443



27.2128, 0.2609, 0.3434



27.2128, 0.3292, 0.2858

Square

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



27.2128, 0.2609, 0.3434



27.2128, 0.2586, 0.2659



27.2128, 0.3660, 0.3127



27.2128, 0.3672, 0.3953

Rectangle

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



27.2128, 0.2609, 0.3434



27.2128, 0.2402, 0.2860



27.2128, 0.3660, 0.3127



27.2128, 0.3908, 0.3651

Sweetspot

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



27.2139, 0.2609, 0.3434



55.2198, 0.2952, 0.3329



26.2837, 0.3146, 0.4570



12.3871, 0.2925, 0.3335



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



27.2139, 0.2609, 0.3434



48.1797, 0.2526, 0.3471



20.1762, 0.2476, 0.2826



7.0138, 0.3004, 0.3317



20.2720, 0.2349, 0.3658



0.3062, 0.2299, 0.3477

Inverse Universe

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



14.5149, 0.4091, 0.3158



22.0818, 0.4432, 0.3134



19.0531, 0.4042, 0.3703



6.2341, 0.3265, 0.3264



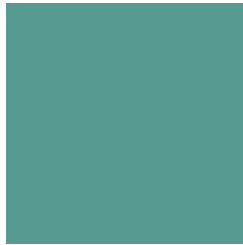
5.6369, 0.6217, 0.3198



0.0870, 0.5519, 0.2814

Previews

White Background



This preview shows how the Yxy color 27.2128, 0.2609, 0.3434 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 27.2128, 0.2609, 0.3434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

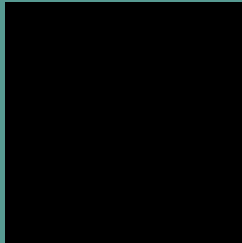
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.2128, 0.2609, 0.3434

Background



This preview shows how black text looks on a background with the Yxy color 27.2128, 0.2609, 0.3434.



This preview shows how white text looks on a background with the Yxy color 27.2128, 0.2609, 0.3434.

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

27.2128, 0.2609, 0.3434

Protanopia

26.9336, 0.3191, 0.3323

Deuteranopia

27.0223, 0.3168, 0.3117



Tritanopia

27.0889, 0.2508, 0.3063

Trichromacy



Original Color

27.2128, 0.2609, 0.3434

Protanomaly

26.7958, 0.2942, 0.3358

Deuteranomaly

26.6738, 0.2926, 0.3222

Tritanomaly

27.0645, 0.2546, 0.3200

Monochromacy



Original Color

27.2128, 0.2609, 0.3434

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

24.5977, 0.2897, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2128, 0.2609, 0.3434 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(87, 154, 146)` looks like.

```
.text, #text, p{  
    color:rgb(87, 154, 146)  
}
```

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(87, 154, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 154, 146) }
```

Border

The CSS property to change the border of an element to Yxy 27.2128, 0.2609, 0.3434 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(87, 154, 146) }
```

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

```
.border{ border-color:rgb(87, 154, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 154, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 154, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 154, 146);  
box-shadow:4px 4px 4px 4px rgb(87, 154,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2128, 0.2609, 0.3434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 154, 146) }
```

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

```
.background{ background-color: rgb(87, 154,  
146) }
```

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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