

Converting Colors

$Y_{xy}(27.8194, 0.2686, 0.3336)$

Have a look what the booklet for
Yxy(27.8194, 0.2686, 0.3336)
contains.

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Color

$Y_{xy}(27.8093, 0.2689, 0.3341)$

Conversions

Conversions Part 1

Format	Color
Hex	669996
RGB	102, 153, 150
RGB Percent	40%, 60%, 59%
CMY	0.5997, 0.4000, 0.4117
CMYK	0.33, 0.00, 0.02, 0.40
HSL	176°, 20%, 50%
HSV	176°, 33%, 60%
XYZ	22.3823, 27.8093, 33.0449
YIQ	137.4090, -29.4330, -11.7450

Conversions

Conversions Part 2

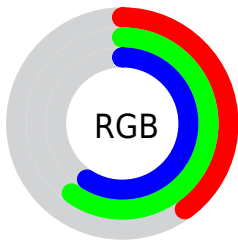
Format	Color
R_{YB}	102, 128, 153
Decimal	6723990
CIE Lab	59.72, -17.60, -3.86
CIE LCh	60, 18.017, 192.367
Yxy	27.8093, 0.2689, 0.3341
Android (android.graphics.Color)	4284914070 (0xFF669996)
YUV	137.4090, 6.2074, -31.0537
Hunter-Lab	52.7345, -16.5241, -0.2385

Details

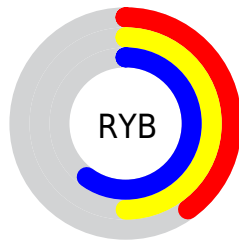
The Yxy color **27.8093, 0.2689, 0.3341** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.3098, 0.3829, 0.3242**, and the grayscale version is **25.1700, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.9538, 0.2779, 0.3328**, and **11.1074, 0.2537, 0.3368** is the 20% darker color. If you saturate the color by 10%, you get **26.9680, 0.2582, 0.3359**, and if you desaturate by 10%, it is **28.8181, 0.2809, 0.3324**.

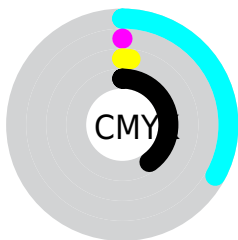
Distribution



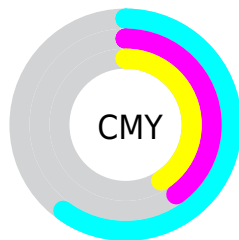
- Red (40%)
- Green (60%)
- Blue (59%)



- Red (40%)
- Yellow (50%)
- Blue (60%)



- Cyan (33%)
- Magenta (0%)
- Yellow (2%)
- Black (40%)





- Cyan (60%)
- Magenta (40%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8093, 0.2689, 0.3341 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 27.8093, 0.2689, 0.3341 by changing the saturation by 10% instead.


 27.8093, 0.2689,
0.3341


 27.8093, 0.2689,
0.3341


291.5546, 0.2925,
0.3316


 18.1820, 0.2624,
0.3347


 56.1798, 0.2779,
0.3332

 11.0807, 0.2537,
0.3354


 75.6918, 0.2811,
0.3329

 6.1211, 0.2413,
0.3362

 99.2675, 0.2838,
0.3326

 2.9189, 0.2226,
0.3370

 127.2912, 0.2861,
0.3324

 1.0895, 0.1849,
0.3398

160.1474, 0.2880,
0.3321

 0.0000, 0.0000,
0.0000

198.2204, 0.2897,

0.3319

241.8946, 0.2912,
0.3318

■ 27.8093, 0.2689,
0.3341

■ 27.8093, 0.2689,
0.3341

■ 26.9680, 0.2582,
0.3359

■ 28.8181, 0.2809,
0.3324

■ 26.2817, 0.2491,
0.3377

■ 29.9994, 0.2941,
0.3309

■ 25.7415, 0.2417,
0.3396

■ 31.3621, 0.3080,
0.3294

■ 25.3365, 0.2362,
0.3415

■ 32.9136, 0.3225,
0.3281

■ 25.0538, 0.2324,
0.3434

■ 34.6609, 0.3373,
0.3270

■ 24.8783, 0.2304,
0.3453

■ 36.6104, 0.3521,
0.3259

■ 24.7935, 0.2296,
0.3466

■ 38.7685, 0.3668,
0.3250

■ 41.1413, 0.3813,
0.3242

■ 43.7343, 0.3952,
0.3236

Harmonies

Analogous

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



27.8093, 0.2922, 0.3615



27.8093, 0.2689, 0.3341



27.8093, 0.2573, 0.3067

Triad

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



27.8093, 0.2689, 0.3341



27.8093, 0.3015, 0.2843



27.8093, 0.3683, 0.3687

Complementary

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



27.8093, 0.2689, 0.3341



17.3098, 0.3829, 0.3242

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.



27.8093, 0.3716, 0.3467



27.8093, 0.2689, 0.3341



27.8093, 0.3319, 0.2994

Square

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



27.8093, 0.2689, 0.3341



27.8093, 0.2753, 0.2797



27.8093, 0.3580, 0.3218



27.8093, 0.3497, 0.3813

Rectangle

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



27.8093, 0.2689, 0.3341



27.8093, 0.2572, 0.2925



27.8093, 0.3580, 0.3218



27.8093, 0.3713, 0.3621

Sweetspot

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



27.8104, 0.2689, 0.3341



54.4507, 0.2983, 0.3304



26.7716, 0.3114, 0.4238



11.9564, 0.2965, 0.3306



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.



27.8104, 0.2689, 0.3341



48.6527, 0.2607, 0.3354



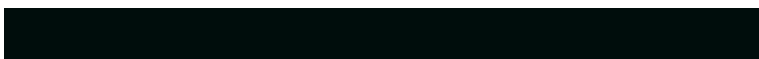
21.3416, 0.2617, 0.2887



7.0203, 0.2996, 0.3303



20.4962, 0.2296, 0.3464



0.3081, 0.2272, 0.3379

Inverse Universe

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



17.3098, 0.3829, 0.3242



26.8584, 0.4066, 0.3231



22.1819, 0.3755, 0.3659



6.2283, 0.3274, 0.3277



5.6152, 0.6316, 0.3253



0.0853, 0.5925, 0.3038

Previews

White Background



This preview shows how the Yxy color 27.8093, 0.2689, 0.3341 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 27.8093, 0.2689, 0.3341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

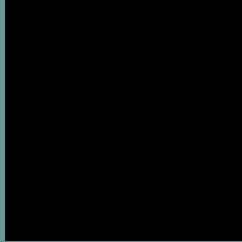
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

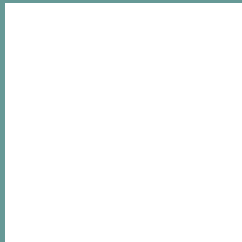
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.8093, 0.2689, 0.3341

Background



This preview shows how black text looks on a background with the Yxy color 27.8093, 0.2689, 0.3341.

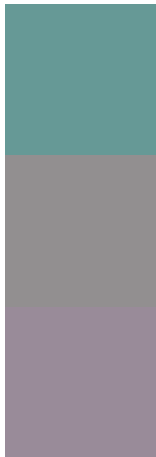


This preview shows how white text looks on a background with the Yxy color 27.8093, 0.2689, 0.3341.

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

27.8093, 0.2689, 0.3341

Protanopia

27.7695, 0.3149, 0.3274

Deuteranopia

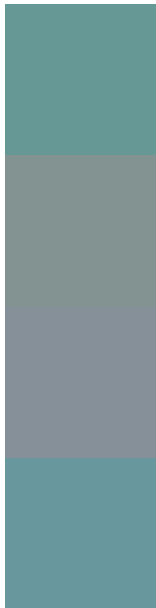
27.5374, 0.3137, 0.3072



Tritanopia

27.7808, 0.2610, 0.3085

Trichromacy



Original Color

27.8093, 0.2689, 0.3341

Protanomaly

27.6886, 0.2965, 0.3306

Deuteranomaly

27.2818, 0.2949, 0.3158

Tritanomaly

27.8682, 0.2641, 0.3185

Monochromacy



Original Color

27.8093, 0.2689, 0.3341

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

25.8830, 0.2941, 0.3307

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8093, 0.2689, 0.3341 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(102, 153, 150)` looks like.

```
.text, #text, p{  
    color:rgb(102, 153, 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(102, 153, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 153, 150) }
```

Border

The CSS property to change the border of an element to Yxy 27.8093, 0.2689, 0.3341 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(102, 153, 150) }
```

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

```
.border{ border-color:rgb(102, 153, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 153, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 153, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 153, 150);  
box-shadow:4px 4px 4px 4px rgb(102, 153,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8093, 0.2689, 0.3341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 153, 150) }
```

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

```
.background{ background-color: rgb(102,  
153, 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](#).

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