

Converting Colors

$Y_{xy}(27.8260, 0.2698, 0.3371)$

Have a look what the booklet for
Yxy(27.8260, 0.2698, 0.3371)
contains.

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Color

$Y_{xy}(27.7772, 0.2696, 0.3359)$

Conversions

Conversions Part 1

Format	Color
Hex	669995
RGB	102, 153, 149
RGB Percent	40%, 60%, 58%
CMY	0.6001, 0.4000, 0.4157
CMYK	0.33, 0.00, 0.03, 0.40
HSL	175°, 20%, 50%
HSV	175°, 33%, 60%
XYZ	22.2945, 27.7772, 32.6231
YIQ	137.2950, -29.1120, -12.0560

Conversions

Conversions Part 2

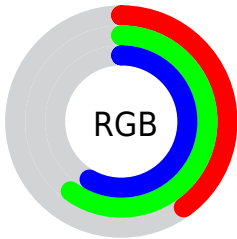
Format	Color
RYB	102, 129, 153
Decimal	6723989
CIELab	59.69, -17.88, -3.33
CIELCh	60, 18.186, 190.566
Yxy	27.7772, 0.2696, 0.3359
Android (android.graphics.Color)	4284914069 (0xFF669995)
YUV	137.2950, 5.7706, -30.9537
Hunter-Lab	52.7041, -16.7242, 0.1931

Details

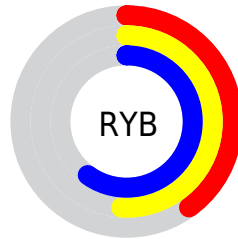
The Yxy color $27.7772, 0.2696, 0.3359$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $17.3128, 0.3816, 0.3224$, and the grayscale version is $25.1191, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.9060, 0.2785, 0.3341$, and $11.0884, 0.2547, 0.3394$ is the 20% darker color. If you saturate the color by 10%, you get $26.9274, 0.2591, 0.3383$, and if you desaturate by 10%, it is $28.7946, 0.2814, 0.3336$.

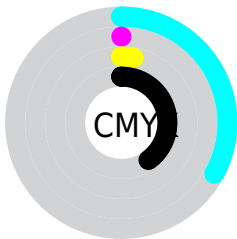
Distribution



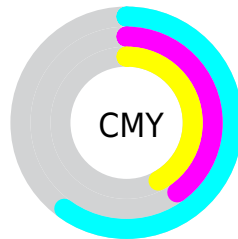
- Red (40%)
- Green (60%)
- Blue (58%)



- Red (40%)
- Yellow (51%)
- Blue (60%)



- Cyan (33%)
- Magenta (0%)
- Yellow (3%)
- Black (40%)



- Cyan (60%)
- Magenta (40%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7772, 0.2696, 0.3359 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 27.7772, 0.2696, 0.3359 by changing the saturation by 10% instead.


 27.7772, 0.2696,
0.3359


 27.7772, 0.2696,
0.3359


291.4008, 0.2928,
0.3324


 18.1578, 0.2632,
0.3368


 56.1285, 0.2785,
0.3346

 11.0633, 0.2546,
0.3379


 75.6292, 0.2817,
0.3342

 6.1094, 0.2424,
0.3393

 99.1925, 0.2843,
0.3338

 2.9117, 0.2238,
0.3411

 127.2027, 0.2865,
0.3334

 1.0858, 0.1857,
0.3460

160.0442, 0.2885,
0.3331

 0.0000, 0.0000,
0.0000

198.1015, 0.2901,

0.3329

241.7589, 0.2915,
0.3326

■ 27.7772, 0.2696,
0.3359

■ 27.7772, 0.2696,
0.3359

■ 26.9274, 0.2591,
0.3383

■ 28.7946, 0.2814,
0.3336

■ 26.2328, 0.2501,
0.3408

■ 29.9847, 0.2943,
0.3315

■ 25.6844, 0.2429,
0.3433


■ 31.3564, 0.3080,
0.3296

■ 25.2713, 0.2375,
0.3459

■ 32.9171, 0.3222,
0.3279

■ 24.9807, 0.2339,
0.3485


■ 34.6736, 0.3367,
0.3263

 24.7974, 0.2320,
0.3511

 36.6327, 0.3512,
0.3249

 24.7078, 0.2313,
0.3528

 38.8005, 0.3656,
0.3236

 41.1831, 0.3797,
0.3226

 43.7862, 0.3934,
0.3217

Harmonies

Analogous

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



27.7772, 0.2937, 0.3633



27.7772, 0.2696, 0.3359



27.7772, 0.2571, 0.3080

Triad

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



27.7772, 0.2696, 0.3359



27.7772, 0.2996, 0.2833



27.7772, 0.3695, 0.3679

Complementary

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



27.7772, 0.2696, 0.3359



17.3128, 0.3816, 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.



27.7772, 0.3718, 0.3454



27.7772, 0.2696, 0.3359



27.7772, 0.3303, 0.2980

Square

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



27.7772, 0.2696, 0.3359



27.7772, 0.2737, 0.2793



27.7772, 0.3572, 0.3202



27.7772, 0.3516, 0.3815

Rectangle

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



27.7772, 0.2696, 0.3359



27.7772, 0.2565, 0.2933



27.7772, 0.3572, 0.3202



27.7772, 0.3722, 0.3611

Sweetspot

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



27.7783, 0.2696, 0.3359



54.4326, 0.2986, 0.3309



26.8219, 0.3123, 0.4238



11.9520, 0.2968, 0.3312



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.



27.7783, 0.2696, 0.3359



48.5823, 0.2616, 0.3377



21.5579, 0.2618, 0.2902



7.0182, 0.2999, 0.3307



20.4213, 0.2313, 0.3526



0.3074, 0.2281, 0.3411

Inverse Universe

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



17.3128, 0.3816, 0.3224



26.8985, 0.4046, 0.3210



21.9582, 0.3761, 0.3646



6.2301, 0.3271, 0.3273



5.6213, 0.6287, 0.3237



0.0859, 0.5784, 0.2960

Previews

White Background



This preview shows how the Yxy color 27.7772, 0.2696, 0.3359 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 27.7772, 0.2696, 0.3359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

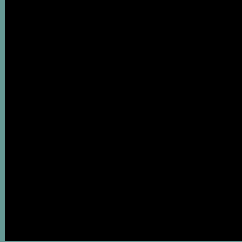
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7772, 0.2696, 0.3359

Background



This preview shows how black text looks on a background with the Yxy color 27.7772, 0.2696, 0.3359.

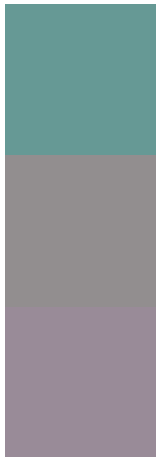


This preview shows how white text looks on a background with the Yxy color 27.7772, 0.2696, 0.3359.

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

27.7772, 0.2696, 0.3359

Protanopia

27.4402, 0.3160, 0.3274

Deuteranopia

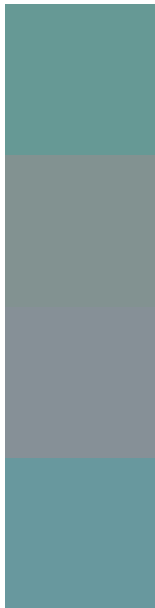
27.5045, 0.3147, 0.3088



Tritanopia

27.7808, 0.2610, 0.3085

Trichromacy



Original Color

27.7772, 0.2696, 0.3359

Protanomaly

27.3479, 0.2974, 0.3306

Deuteranomaly

27.2492, 0.2958, 0.3174

Tritanomaly

27.8682, 0.2641, 0.3185

Monochromacy



Original Color

27.7772, 0.2696, 0.3359

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

25.8531, 0.2950, 0.3324

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7772, 0.2696, 0.3359 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, 149)` looks like.

```
.text, #text, p{  
    color:rgb(102, 153, 149)  
}
```

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, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 153, 149) }
```

Border

The CSS property to change the border of an element to Yxy 27.7772, 0.2696, 0.3359 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, 149) }
```

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

```
.border{ border-color:rgb(102, 153, 149) }
```

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, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 153, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 153, 149);  
box-shadow:4px 4px 4px 4px rgb(102, 153,  
149) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 27.7772, 0.2696, 0.3359$ 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, 149) }
```

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

```
.background{ background-color: rgb(102,  
153, 149) }
```

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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