

Converting Colors

$Y_{xy}(27.6386, 0.2484, 0.3224)$

Have a look what the booklet for
Yxy(27.6386, 0.2484, 0.3224)
contains.

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Color

$\text{Yxy}(27.6952, 0.2483, 0.3217)$

Conversions

Conversions Part 1

Format	Color
Hex	519B9F
RGB	81, 155, 159
RGB Percent	32%, 61%, 62%
CMY	0.6821, 0.3922, 0.3765
CMYK	0.49, 0.03, 0.00, 0.38
HSL	183°, 32%, 47%
HSV	183°, 49%, 62%
XYZ	21.3762, 27.6952, 37.0188
YIQ	133.3300, -45.3880, -14.4440

Conversions

Conversions Part 2

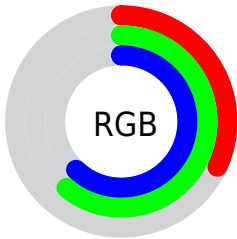
Format	Color
R_{YB}	81, 119, 159
Decimal	5348255
CIE _{Lab}	59.61, -21.85, -9.22
CIE _{LCh}	60, 23.716, 202.884
Yxy	27.6952, 0.2483, 0.3217
Android (android.graphics.Color)	4283538335 (0xFF519B9F)
YUV	133.3300, 12.6553, -45.8934
Hunter-Lab	52.6262, -19.5912, -4.8679

Details

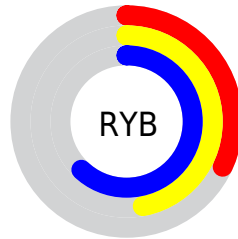
The Yxy color **27.6952, 0.2483, 0.3217** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.4730, 0.4418, 0.3358**, and the grayscale version is **23.5530, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1825, 0.2612, 0.3236**, and **11.1218, 0.2267, 0.3181** is the 20% darker color. If you saturate the color by 10%, you get **26.8026, 0.2392, 0.3200**, and if you desaturate by 10%, it is **28.7562, 0.2591, 0.3233**.

Distribution



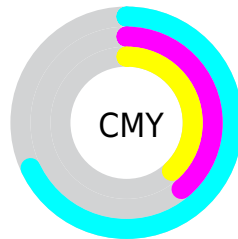
- Red (32%)
- Green (61%)
- Blue (62%)



- Red (32%)
- Yellow (47%)
- Blue (62%)



- Cyan (49%)
- Magenta (3%)
- Yellow (0%)
- Black (38%)





- Cyan (68%)
- Magenta (39%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6952, 0.2483, 0.3217 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 27.6952, 0.2483, 0.3217 by changing the saturation by 10% instead.


 27.6952, 0.2483,
0.3217


 27.6952, 0.2483,
0.3217


291.0076, 0.2826,
0.3264


 18.0960, 0.2390,
0.3201


 55.9974, 0.2613,
0.3237


 11.0189, 0.2267,
0.3177


 75.4693, 0.2660,
0.3244


 6.0796, 0.2095,
0.3139

 99.0008, 0.2699,
0.3249

 2.8935, 0.1841,
0.3071

 126.9765, 0.2733,
0.3253

 1.0764, 0.1319,
0.2970

 159.7805, 0.2761,
0.3257

 0.0000, 0.0000,
0.0000

197.7975, 0.2786,

0.3260

241.4117, 0.2807,
0.3262

■ 27.6952, 0.2483,
0.3217

■ 27.6952, 0.2483,
0.3217

■ 26.8026, 0.2392,
0.3200

■ 28.7562, 0.2591,
0.3233

■ 26.0637, 0.2319,
0.3183

■ 29.9931, 0.2713,
0.3249

■ 25.4663, 0.2264,
0.3166


■ 31.4165, 0.2848,
0.3264

■ 24.9950, 0.2228,
0.3149


■ 33.0353, 0.2992,
0.3278

■ 24.6180, 0.2205,
0.3133

■ 34.8580, 0.3142,
0.3291

 24.5821, 0.2203,
0.3131

 36.8924, 0.3296,
0.3303

 39.1460, 0.3452,
0.3314

 41.6258, 0.3607,
0.3323

 44.3386, 0.3759,
0.3331

Harmonies

Analogous

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



27.6952, 0.2735, 0.3602



27.6952, 0.2483, 0.3217



27.6952, 0.2397, 0.2886

Triad

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



27.6952, 0.2483, 0.3217



27.6952, 0.3115, 0.2767



27.6952, 0.3791, 0.3883

Complementary

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



27.6952, 0.2483, 0.3217



14.4730, 0.4418, 0.3358

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.



27.6952, 0.3915, 0.3621



27.6952, 0.2483, 0.3217



27.6952, 0.3512, 0.2998

Square

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



27.6952, 0.2483, 0.3217



27.6952, 0.2744, 0.2655



27.6952, 0.3813, 0.3302



27.6952, 0.3488, 0.4000

Rectangle

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



27.6952, 0.2483, 0.3217



27.6952, 0.2439, 0.2738



27.6952, 0.3813, 0.3302



27.6952, 0.3856, 0.3807

Sweetspot

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



27.6963, 0.2483, 0.3217



57.3056, 0.2900, 0.3270



27.2030, 0.3029, 0.4726



12.7933, 0.2872, 0.3267



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



27.6963, 0.2483, 0.3217



47.8428, 0.2383, 0.3198



16.7767, 0.2344, 0.2471



7.4511, 0.2988, 0.3278



19.4351, 0.2204, 0.3132



0.3634, 0.2222, 0.3199

Inverse Universe

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



15.6312, 0.3235, 0.2183



23.8320, 0.3261, 0.1978



22.3627, 0.4086, 0.3976



6.7487, 0.3145, 0.3081



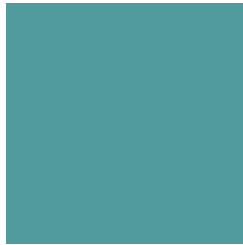
7.5842, 0.3339, 0.1613



0.1372, 0.3282, 0.1582

Previews

White Background



This preview shows how the Yxy color 27.6952, 0.2483, 0.3217 looks on a white background.

Color Contrast Check

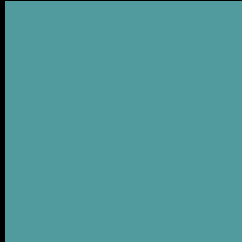
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.6952, 0.2483, 0.3217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

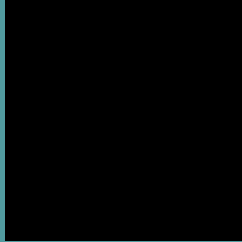
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.6952, 0.2483, 0.3217

Background



This preview shows how black text looks on a background with the Yxy color 27.6952, 0.2483, 0.3217.

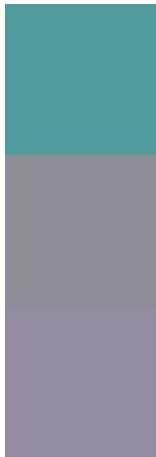


This preview shows how white text looks on a background with the Yxy color 27.6952, 0.2483, 0.3217.

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

27.6952, 0.2483, 0.3217

Protanopia

27.4200, 0.3050, 0.3145

Deuteranopia

27.2769, 0.2986, 0.2932



Tritanopia

27.7034, 0.2446, 0.3079

Trichromacy



Original Color

27.6952, 0.2483, 0.3217

Protanomaly

27.1936, 0.2800, 0.3171

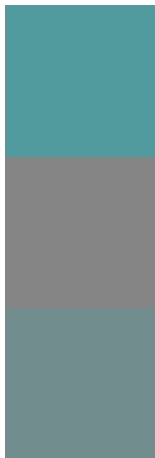
Deuteranomaly

27.0350, 0.2766, 0.3024

Tritanomaly

27.5494, 0.2459, 0.3130

Monochromacy



Original Color

27.6952, 0.2483, 0.3217

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

24.5802, 0.2841, 0.3271

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6952, 0.2483, 0.3217 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(81, 155, 159)` looks like.

```
.text, #text, p{  
    color:rgb(81, 155, 159)  
}
```

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(81, 155, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 155, 159) }
```

Border

The CSS property to change the border of an element to Yxy 27.6952, 0.2483, 0.3217 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(81, 155, 159) }
```

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

```
.border{ border-color:rgb(81, 155, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 155, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 155, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 155, 159);  
box-shadow:4px 4px 4px 4px rgb(81, 155,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6952, 0.2483, 0.3217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 155, 159) }
```

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

```
.background{ background-color: rgb(81, 155,  
159) }
```

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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