

Converting Colors

$Y_{xy}(27.5502, 0.2754, 0.3490)$

Have a look what the booklet for
Yxy(27.5502, 0.2754, 0.3490)
contains.

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Color

Yxy(27.5602, 0.2751, 0.3485)

Conversions

Conversions Part 1

Format	Color
Hex	66998E
RGB	102, 153, 142
RGB Percent	40%, 60%, 56%
CMY	0.5999, 0.4000, 0.4431
CMYK	0.33, 0.00, 0.07, 0.40
HSL	167°, 20%, 50%
HSV	167°, 33%, 60%
XYZ	21.7556, 27.5602, 29.7666
YIQ	136.4970, -26.8650, -14.2330

Conversions

Conversions Part 2

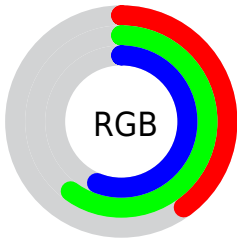
Format	Color
RYB	102, 131, 153
Decimal	6723982
CIELab	59.49, -19.53, 0.35
CIElCh	59, 19.534, 178.972
Yxy	27.5602, 0.2751, 0.3485
Android (android.graphics.Color)	4284914062 (0xFF66998E)
YUV	136.4970, 2.7130, -30.2539
Hunter-Lab	52.4978, -17.8992, 3.1307

Details

The Yxy color $27.5602, 0.2751, 0.3485$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $17.4725, 0.3711, 0.3107$, and the grayscale version is $24.8165, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.0658, 0.2829, 0.3445$, and $11.0055, 0.2619, 0.3558$ is the 20% darker color. If you saturate the color by 10%, you get $26.6505, 0.2658, 0.3554$, and if you desaturate by 10%, it is $28.6401, 0.2855, 0.3421$.

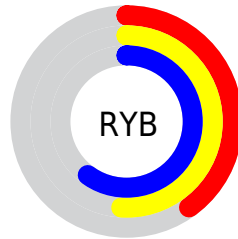
Distribution



Red (40%)

Green (60%)

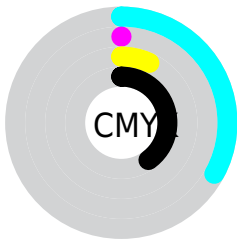
Blue (56%)



Red (40%)

Yellow (51%)

Blue (60%)

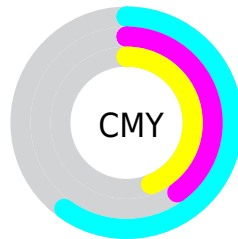


Cyan (33%)

Magenta (0%)

Yellow (7%)

Black (40%)



Cyan (60%)


Magenta (40%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.5602, 0.2751, 0.3485 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 27.5602, 0.2751, 0.3485 by changing the saturation by 10% instead.


 27.5602, 0.2751,
0.3485


 27.5602, 0.2751,
0.3485


290.3594, 0.2955,
0.3379


 17.9944, 0.2694,
0.3515


 55.7815, 0.2829,
0.3444


 10.9460, 0.2617,
0.3555


 75.2058, 0.2858,
0.3430

 6.0305, 0.2506,
0.3613

 98.6851, 0.2881,
0.3418

 2.8636, 0.2336,
0.3702

 126.6036, 0.2900,
0.3407

 1.0610, 0.1925,
0.3914

159.3460, 0.2917,
0.3399

 0.0000, 0.0000,
0.0000

197.2964, 0.2931,

0.3391

240.8394, 0.2944,
0.3385

■ 27.5602, 0.2751,
0.3485

■ 27.5602, 0.2751,
0.3485

■ 26.6505, 0.2658,
0.3554

■ 28.6401, 0.2855,
0.3421

■ 25.8984, 0.2579,
0.3626

■ 29.8953, 0.2968,
0.3361

■ 25.2952, 0.2517,
0.3701


■ 31.3346, 0.3087,
0.3307

■ 24.8296, 0.2472,
0.3778


■ 32.9655, 0.3209,
0.3258

■ 24.4891, 0.2447,
0.3856


■ 34.7949, 0.3333,
0.3214

 24.2583, 0.2439,
0.3933

 36.8295, 0.3456,
0.3175

 24.1381, 0.2440,
0.3985

 39.0755, 0.3578,
0.3140

 41.5390, 0.3696,
0.3110

 44.2258, 0.3811,
0.3084

Harmonies

Analogous

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



27.5602, 0.3042, 0.3750



27.5602, 0.2751, 0.3485



27.5602, 0.2564, 0.3172

Triad

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



27.5602, 0.2751, 0.3485



27.5602, 0.2867, 0.2768



27.5602, 0.3771, 0.3621

Complementary

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



27.5602, 0.2751, 0.3485



17.4725, 0.3711, 0.3107

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.



27.5602, 0.3723, 0.3360



27.5602, 0.2751, 0.3485



27.5602, 0.3187, 0.2885

Square

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



27.5602, 0.2751, 0.3485



27.5602, 0.2629, 0.2775



27.5602, 0.3505, 0.3096



27.5602, 0.3637, 0.3814

Rectangle

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



27.5602, 0.2751, 0.3485



27.5602, 0.2519, 0.2990



27.5602, 0.3505, 0.3096



27.5602, 0.3776, 0.3538

Sweetspot

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



27.5613, 0.2751, 0.3485



54.3083, 0.3005, 0.3344



27.2570, 0.3189, 0.4218



11.9211, 0.2989, 0.3351



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.



27.5613, 0.2751, 0.3485



48.1138, 0.2680, 0.3536



23.4630, 0.2634, 0.3029



7.0037, 0.3016, 0.3338



19.9553, 0.2439, 0.3979



0.3034, 0.2343, 0.3636

Inverse Universe

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



17.4725, 0.3711, 0.3107



27.1948, 0.3904, 0.3065



20.3308, 0.3796, 0.3535



6.2434, 0.3251, 0.3242



5.6922, 0.5983, 0.3069



0.0897, 0.5011, 0.2534

Previews

White Background



This preview shows how the Yxy color 27.5602, 0.2751, 0.3485 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 27.5602, 0.2751, 0.3485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

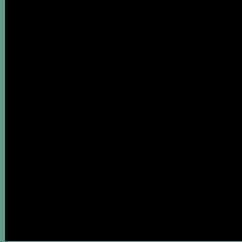
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.5602, 0.2751, 0.3485

Background



This preview shows how black text looks on a background with the Yxy color 27.5602, 0.2751, 0.3485.

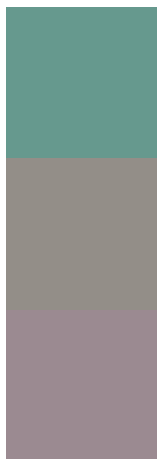


This preview shows how white text looks on a background with the Yxy color 27.5602, 0.2751, 0.3485.

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

27.5602, 0.2751, 0.3485

Protanopia

27.3266, 0.3242, 0.3388

Deuteranopia

27.1899, 0.3242, 0.3181



Tritanopia

27.5471, 0.2631, 0.3085

Trichromacy



Original Color

27.5602, 0.2751, 0.3485

Protanomaly

27.2180, 0.3049, 0.3425

Deuteranomaly

26.8928, 0.3044, 0.3273

Tritanomaly

27.5030, 0.2670, 0.3219

Monochromacy



Original Color

27.5602, 0.2751, 0.3485

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

25.7941, 0.2968, 0.3359

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5602, 0.2751, 0.3485 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, 142)` looks like.

```
.text, #text, p{  
    color:rgb(102, 153, 142)  
}
```

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, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 153, 142) }
```

Border

The CSS property to change the border of an element to Yxy 27.5602, 0.2751, 0.3485 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, 142) }
```

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

```
.border{ border-color:rgb(102, 153, 142) }
```

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, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 153, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 153, 142);  
box-shadow:4px 4px 4px 4px rgb(102, 153,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5602, 0.2751, 0.3485 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, 142) }
```

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

```
.background{ background-color: rgb(102,  
153, 142) }
```

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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