

Converting Colors

$Y_{xy}(27.2645, 0.2729, 0.3890)$

Have a look what the booklet for
Yxy(27.2645, 0.2729, 0.3890)
contains.

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Color

$\text{Yxy}(27.3439, 0.2730, 0.3897)$

Conversions

Conversions Part 1

Format	Color
Hex	519D7D
RGB	81, 157, 125
RGB Percent	32%, 62%, 49%
CMY	0.6821, 0.3843, 0.5098
CMYK	0.48, 0.00, 0.20, 0.38
HSL	155°, 32%, 47%
HSV	155°, 48%, 62%
XYZ	19.1555, 27.3439, 23.6672
YIQ	130.6280, -35.0240, -26.0640

Conversions

Conversions Part 2

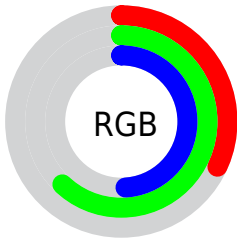
Format	Color
RYB	81, 129, 157
Decimal	5348733
CIELab	59.29, -31.38, 9.56
CIELCh	59, 32.807, 163.057
Yxy	27.3439, 0.2730, 0.3897
Android (android.graphics.Color)	4283538813 (0xFF519D7D)
YUV	130.6280, -2.7746, -43.5238
Hunter-Lab	52.2914, -26.1215, 9.7692

Details

The Yxy color $27.3439, 0.2730, 0.3897$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $14.2559, 0.3856, 0.2771$, and the grayscale version is $22.5825, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.4522, 0.2815, 0.3756$, and $10.8191, 0.2577, 0.4142$ is the 20% darker color. If you saturate the color by 10%, you get $26.5656, 0.2677, 0.4051$, and if you desaturate by 10%, it is $28.2961, 0.2797, 0.3751$.

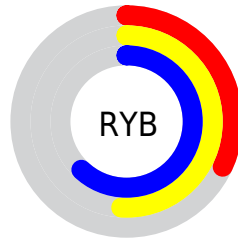
Distribution



Red (32%)

Green (62%)

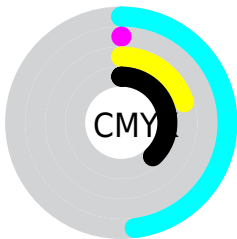
Blue (49%)



Red (32%)

Yellow (51%)

Blue (62%)

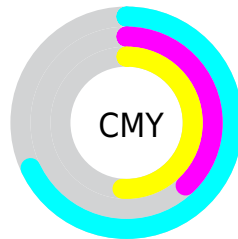


Cyan (48%)

Magenta (0%)

Yellow (20%)

Black (38%)



Cyan (68%)


Magenta (38%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.3439, 0.2730, 0.3897 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 27.3439, 0.2730, 0.3897 by changing the saturation by 10% instead.


 27.3439, 0.2730,
0.3897


 27.3439, 0.2730,
0.3897


289.3184, 0.2952,
0.3555


 17.8317, 0.2666,
0.3998


 55.4352, 0.2817,
0.3762

 10.8292, 0.2576,
0.4140


 74.7831, 0.2847,
0.3714

 5.9521, 0.2445,
0.4352

 98.1783, 0.2873,
0.3676

 2.8160, 0.2234,
0.4701

 126.0053, 0.2894,
0.3643

 1.0364, 0.1245,
0.6098

 158.6484, 0.2911,
0.3616

 0.0000, 0.0000,
0.0000

196.4920, 0.2927,

0.3593

239.9205, 0.2940,
0.3572

■ 27.3439, 0.2730,
0.3897

■ 27.3439, 0.2730,
0.3897

■ 26.5656, 0.2677,
0.4051

■ 28.2961, 0.2797,
0.3751

■ 25.9465, 0.2640,
0.4211

■ 29.4291, 0.2875,
0.3615

■ 25.4747, 0.2621,
0.4372

■ 30.7537, 0.2960,
0.3490

■ 25.1353, 0.2622,
0.4533


■ 32.2786, 0.3050,
0.3376

■ 24.9000, 0.2640,
0.4690


■ 34.0122, 0.3142,
0.3274

 24.8647, 0.2643,
0.4716

 35.9621, 0.3236,
0.3183

 38.1359, 0.3328,
0.3102

 40.5404, 0.3418,
0.3031

 43.1825, 0.3506,
0.2968

Harmonies

Analogous

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



27.3439, 0.3254, 0.4242



27.3439, 0.2730, 0.3897



27.3439, 0.2335, 0.3353

Triad

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



27.3439, 0.2730, 0.3897



27.3439, 0.2466, 0.2425



27.3439, 0.4213, 0.3579

Complementary

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



27.3439, 0.2730, 0.3897



14.2559, 0.3856, 0.2771

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.



27.3439, 0.3971, 0.3152



27.3439, 0.2730, 0.3897



27.3439, 0.2924, 0.2518

Square

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



27.3439, 0.2730, 0.3897



27.3439, 0.2198, 0.2529



27.3439, 0.3481, 0.2777



27.3439, 0.4129, 0.3981

Rectangle

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



27.3439, 0.2730, 0.3897



27.3439, 0.2187, 0.3000



27.3439, 0.3481, 0.2777



27.3439, 0.4168, 0.3435

Sweetspot

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



27.3450, 0.2730, 0.3897



55.8817, 0.2987, 0.3454



28.2827, 0.3361, 0.4641



12.1838, 0.2970, 0.3477



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.



27.3450, 0.2730, 0.3897



47.4864, 0.2673, 0.4063



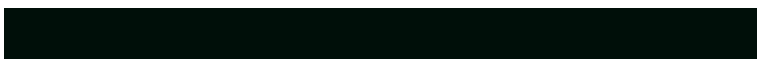
26.6212, 0.2486, 0.3197



7.4622, 0.3042, 0.3386



20.2035, 0.2640, 0.4704



0.3696, 0.2465, 0.4075

Inverse Universe

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



14.2559, 0.3856, 0.2771



21.2068, 0.4112, 0.2673



14.4385, 0.4380, 0.3376



6.6902, 0.3221, 0.3196



6.1500, 0.5241, 0.2661



0.1182, 0.4306, 0.2146

Previews

White Background



This preview shows how the Yxy color 27.3439, 0.2730, 0.3897 looks on a white background.

Color Contrast Check

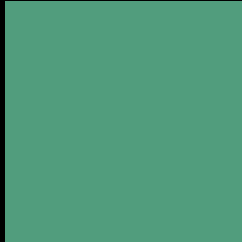
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.3439, 0.2730, 0.3897 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 27.3439, 0.2730, 0.3897

Background



This preview shows how black text looks on a background with the Yxy color 27.3439, 0.2730, 0.3897.



This preview shows how white text looks on a background with the Yxy color 27.3439, 0.2730, 0.3897.

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

27.3439, 0.2730, 0.3897

Protanopia

27.1144, 0.3474, 0.3699

Deuteranopia

26.9499, 0.3474, 0.3417



Tritanopia

27.4121, 0.2511, 0.3080

Trichromacy



Original Color

27.3439, 0.2730, 0.3897

Protanomaly

26.5835, 0.3156, 0.3766

Deuteranomaly

26.3303, 0.3146, 0.3566

Tritanomaly

27.3879, 0.2587, 0.3360

Monochromacy



Original Color

27.3439, 0.2730, 0.3897

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

23.8519, 0.2950, 0.3492

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3439, 0.2730, 0.3897 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, 157, 125)` looks like.

```
.text, #text, p{  
    color:rgb(81, 157, 125)  
}
```

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, 157, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 157, 125) }
```

Border

The CSS property to change the border of an element to Yxy 27.3439, 0.2730, 0.3897 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, 157, 125) }
```

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

```
.border{ border-color:rgb(81, 157, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 157, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 157, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 157, 125);  
box-shadow:4px 4px 4px 4px rgb(81, 157,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 27.3439, 0.2730, 0.3897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 157, 125) }
```

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

```
.background{ background-color: rgb(81, 157,  
125) }
```

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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