

Converting Colors

$Yxy(27.6570, 0.2509, 0.3906)$

Have a look what the booklet for
Yxy(27.6570, 0.2509, 0.3906)
contains.

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Color

Yxy(27.6150, 0.2506, 0.3895)

Conversions

Conversions Part 1

Format	Color
Hex	2BA182
RGB	43, 161, 130
RGB Percent	17%, 63%, 51%
CMY	0.8318, 0.3686, 0.4902
CMYK	0.73, 0.00, 0.19, 0.37
HSL	164°, 58%, 40%
HSV	164°, 73%, 63%
XYZ	17.7672, 27.6150, 25.5164
YIQ	122.1840, -60.3770, -34.6570

Conversions

Conversions Part 2

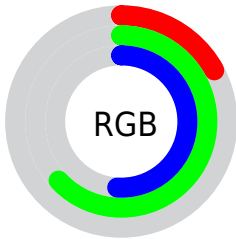
Format	Color
RYB	43, 111, 161
Decimal	2859394
CIELab	59.54, -39.71, 6.93
CIElCh	60, 40.313, 170.095
Yxy	27.6150, 0.2506, 0.3895
Android (android.graphics.Color)	4281049474 (0xFF2BA182)
YUV	122.1840, 3.8533, -69.4444
Hunter-Lab	52.5500, -31.6115, 7.9959

Details

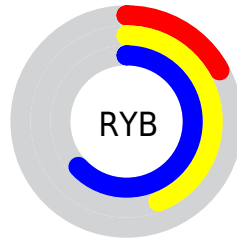
The Yxy color **27.6150, 0.2506, 0.3895** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **9.7903, 0.4932, 0.2876**, and the grayscale version is **19.5175, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1088, 0.2638, 0.3766**, and **11.3192, 0.2465, 0.4075** is the 20% darker color. If you saturate the color by 10%, you get **27.2239, 0.2485, 0.3992**, and if you desaturate by 10%, it is **28.1502, 0.2546, 0.3799**.

Distribution



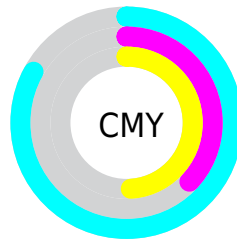
- Red (17%)
- Green (63%)
- Blue (51%)



- Red (17%)
- Yellow (44%)
- Blue (63%)



- Cyan (73%)
- Magenta (0%)
- Yellow (19%)
- Black (37%)





- Cyan (83%)
- Magenta (37%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6150, 0.2506, 0.3895 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 27.6150, 0.2506, 0.3895 by changing the saturation by 10% instead.


 27.6150, 0.2506,
0.3895


 27.6150, 0.2506,
0.3895


290.6226, 0.2847,
0.3556


 18.0356, 0.2410,
0.3994


 55.8692, 0.2638,
0.3762

 10.9756, 0.2279,
0.4131


 75.3128, 0.2685,
0.3715


 6.0504, 0.2091,
0.4334

 98.8133, 0.2724,
0.3677

 2.8758, 0.1800,
0.4660

 126.7550, 0.2756,
0.3645

 1.0672, 0.0194,
0.6041

 159.5225, 0.2784,
0.3618

 0.0000, 0.0000,
0.0000

 197.4999, 0.2808,

0.3594

241.0719, 0.2828,
0.3574

■ 27.6150, 0.2506,
0.3895

■ 27.6150, 0.2506,
0.3895

■ 27.2239, 0.2485,
0.3992

■ 28.1502, 0.2546,
0.3799

■ 26.9562, 0.2482,
0.4088

■ 28.8407, 0.2605,
0.3705

■ 26.8191, 0.2487,
0.4152

■ 29.7004, 0.2680,
0.3615

■ 30.7405, 0.2768,
0.3530

■ 31.9715, 0.2868,
0.3451

■ 33.4030, 0.2975,
0.3378

■ 35.0438, 0.3088,
0.3311

■ 36.9024, 0.3204,
0.3251

■ 38.9867, 0.3322,
0.3197

Harmonies

Analogous

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



27.6150, 0.3111, 0.4415



27.6150, 0.2506, 0.3895



27.6150, 0.2095, 0.3194

Triad

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



27.6150, 0.2506, 0.3895



27.6150, 0.2438, 0.2263



27.6150, 0.4463, 0.3734

Complementary

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



27.6150, 0.2506, 0.3895



9.7903, 0.4932, 0.2876

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.



27.6150, 0.4266, 0.3227



27.6150, 0.2506, 0.3895



27.6150, 0.3027, 0.2426

Square

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



27.6150, 0.2506, 0.3895



27.6150, 0.2067, 0.2320



27.6150, 0.3714, 0.2767



27.6150, 0.4257, 0.4205

Rectangle

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



27.6150, 0.2506, 0.3895



27.6150, 0.1968, 0.2790



27.6150, 0.3714, 0.2767



27.6150, 0.4444, 0.3564

Sweetspot

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



27.6161, 0.2506, 0.3895



57.4794, 0.2878, 0.3444



27.1377, 0.3217, 0.5445



12.4757, 0.2852, 0.3463



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.



27.6161, 0.2506, 0.3895



48.4245, 0.2481, 0.4053



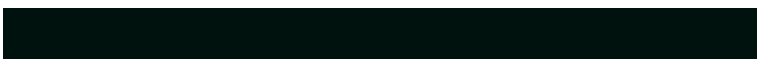
19.9823, 0.2187, 0.2752



7.9794, 0.3021, 0.3350



21.4238, 0.2485, 0.4144



0.4573, 0.2388, 0.3797

Inverse Universe

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



9.7903, 0.4932, 0.2876



14.7552, 0.5534, 0.2928



12.1881, 0.5218, 0.3665



7.1151, 0.3246, 0.3231



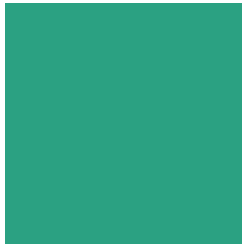
6.1925, 0.5845, 0.2993



0.1374, 0.4894, 0.2470

Previews

White Background



This preview shows how the Yxy color 27.6150, 0.2506, 0.3895 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 27.6150, 0.2506, 0.3895 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 27.6150, 0.2506, 0.3895

Background



This preview shows how black text looks on a background with the Yxy color 27.6150, 0.2506, 0.3895.

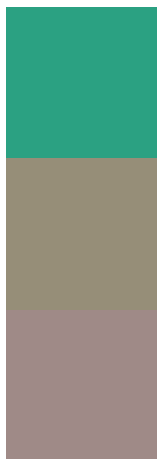


This preview shows how white text looks on a background with the Yxy color 27.6150, 0.2506, 0.3895.

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

27.6150, 0.2506, 0.3895

Protanopia

27.1861, 0.3442, 0.3650

Deuteranopia

27.2972, 0.3394, 0.3338



Tritanopia

27.6282, 0.2331, 0.3075

Trichromacy



Original Color

27.6150, 0.2506, 0.3895



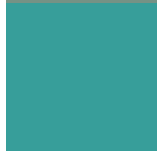
Protanomaly

26.3296, 0.2978, 0.3744



Deuteranomaly

26.0331, 0.2955, 0.3521



Tritanomaly

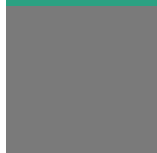
27.5990, 0.2392, 0.3362

Monochromacy



Original Color

27.6150, 0.2506, 0.3895



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

21.4161, 0.2787, 0.3507

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6150, 0.2506, 0.3895 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(43, 161, 130)` looks like.

```
.text, #text, p{  
    color:rgb(43, 161, 130)  
}
```

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(43, 161, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 161, 130) }
```

Border

The CSS property to change the border of an element to Yxy 27.6150, 0.2506, 0.3895 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(43, 161, 130) }
```

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

```
.border{ border-color:rgb(43, 161, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 161, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 161, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 161, 130);  
box-shadow:4px 4px 4px 4px rgb(43, 161,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6150, 0.2506, 0.3895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 161, 130) }
```

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

```
.background{ background-color: rgb(43, 161,  
130) }
```

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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