

Converting Colors

$Y_{xy}(26.1289, 0.2728, 0.3806)$

Have a look what the booklet for
Yxy(26.1289, 0.2728, 0.3806)
contains.

Yxy(26.1278, 0.2728, 0.3806)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(26.1278, 0.2728, 0.3806)

Conversions

Conversions Part 1

Format	Color
Hex	53997E
RGB	83, 153, 126
RGB Percent	33%, 60%, 49%
CMY	0.6743, 0.4000, 0.5059
CMYK	0.46, 0.00, 0.18, 0.40
HSL	157°, 30%, 46%
HSV	157°, 46%, 60%
XYZ	18.7274, 26.1278, 23.7937
YIQ	128.9920, -33.0530, -23.2370

Conversions

Conversions Part 2

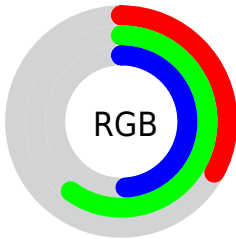
Format	Color
RYB	83, 126, 153
Decimal	5478782
CIELab	58.16, -28.70, 7.39
CIELCh	58, 29.635, 165.554
Yxy	26.1278, 0.2728, 0.3806
Android (android.graphics.Color)	4283668862 (0xFF53997E)
YUV	128.9920, -1.4751, -40.3350
Hunter-Lab	51.1154, -24.0538, 8.1818

Details

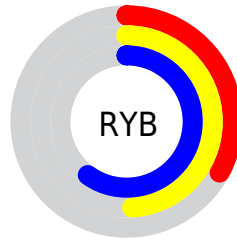
The Yxy color $26.1278, 0.2728, 0.3806$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $14.0931, 0.3839, 0.2840$, and the grayscale version is $21.9684, 0.3127, 0.3290$.

A 20% lighter version of the original color is $53.6007, 0.2811, 0.3689$, and $10.0901, 0.2569, 0.4006$ is the 20% darker color. If you saturate the color by 10%, you get $25.3596, 0.2668, 0.3944$, and if you desaturate by 10%, it is $27.0607, 0.2802, 0.3676$.

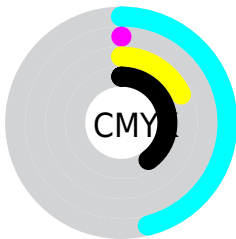
Distribution



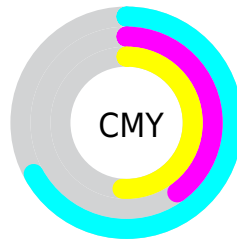
- Red (33%)
- Green (60%)
- Blue (49%)



- Red (33%)
- Yellow (49%)
- Blue (60%)



- Cyan (46%)
- Magenta (0%)
- Yellow (18%)
- Black (40%)




- Cyan (67%)
- Magenta (40%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.1278, 0.2728, 0.3806 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 26.1278, 0.2728, 0.3806 by changing the saturation by 10% instead.


 26.1278, 0.2728,
0.3806


 26.1278, 0.2728,
0.3806


283.4089, 0.2950,
0.3515


 16.9193, 0.2663,
0.3893


 53.4810, 0.2815,
0.3691


 10.1770, 0.2574,
0.4014


 72.3946, 0.2846,
0.3650


 5.5164, 0.2442,
0.4195

 95.3118, 0.2871,
0.3617

 2.5533, 0.2230,
0.4496

 122.6173, 0.2892,
0.3590

 0.9033, 0.1033,
0.5913

 154.6954, 0.2910,
0.3567

 0.0000, 0.0000,
0.0000

191.9304, 0.2925,

0.3547

234.7067, 0.2939,
0.3530

■ 26.1278, 0.2728,
0.3806

■ 26.1278, 0.2728,
0.3806

■ 25.3596, 0.2668,
0.3944

■ 27.0607, 0.2802,
0.3676

■ 24.7425, 0.2623,
0.4087

■ 28.1647, 0.2885,
0.3555

■ 24.2661, 0.2596,
0.4234


■ 29.4493, 0.2976,
0.3444

■ 23.9169, 0.2589,
0.4381

■ 30.9228, 0.3071,
0.3343

■ 23.6767, 0.2601,
0.4526

■ 32.5927, 0.3169,
0.3252

 23.5883, 0.2608,
0.4587

 34.4661, 0.3267,
0.3172

 36.5500, 0.3364,
0.3100

 38.8507, 0.3459,
0.3037

 41.3744, 0.3551,
0.2981

Harmonies

Analogous

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



26.1278, 0.3206, 0.4142



26.1278, 0.2728, 0.3806



26.1278, 0.2375, 0.3308

Triad

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



26.1278, 0.2728, 0.3806



26.1278, 0.2547, 0.2490



26.1278, 0.4128, 0.3596

Complementary

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



26.1278, 0.2728, 0.3806



14.0931, 0.3839, 0.2840

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.



26.1278, 0.3929, 0.3198



26.1278, 0.2728, 0.3806



26.1278, 0.2983, 0.2590

Square

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



26.1278, 0.2728, 0.3806



26.1278, 0.2281, 0.2574



26.1278, 0.3496, 0.2842



26.1278, 0.4030, 0.3959

Rectangle

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



26.1278, 0.2728, 0.3806



26.1278, 0.2248, 0.2992



26.1278, 0.3496, 0.2842



26.1278, 0.4094, 0.3463

Sweetspot

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



26.1289, 0.2728, 0.3806



53.1022, 0.2990, 0.3429



26.7879, 0.3328, 0.4568



11.6165, 0.2971, 0.3450



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.



26.1289, 0.2728, 0.3806



45.3730, 0.2666, 0.3949



24.6994, 0.2507, 0.3160



6.9861, 0.3038, 0.3377



19.5031, 0.2605, 0.4577



0.2987, 0.2432, 0.3955

Inverse Universe

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



14.0931, 0.3839, 0.2840



21.0161, 0.4093, 0.2749



14.7172, 0.4255, 0.3411



6.2602, 0.3226, 0.3204



5.8648, 0.5381, 0.2738



0.0945, 0.4368, 0.2180

Previews

White Background



This preview shows how the Yxy color 26.1278, 0.2728, 0.3806 looks on a white background.

Color Contrast Check

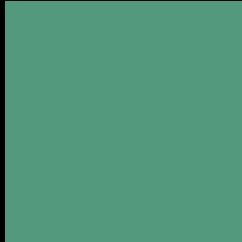
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.1278, 0.2728, 0.3806 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 26.1278, 0.2728, 0.3806

Background



This preview shows how black text looks on a background with the Yxy color 26.1278, 0.2728, 0.3806.



This preview shows how white text looks on a background with the Yxy color 26.1278, 0.2728, 0.3806.

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

26.1278, 0.2728, 0.3806

Protanopia

25.9081, 0.3415, 0.3624

Deuteranopia

25.7298, 0.3425, 0.3355



Tritanopia

25.9932, 0.2527, 0.3076

Trichromacy



Original Color

26.1278, 0.2728, 0.3806

Protanomaly

25.5626, 0.3119, 0.3682

Deuteranomaly

25.3019, 0.3117, 0.3499

Tritanomaly

26.0747, 0.2598, 0.3325

Monochromacy



Original Color

26.1278, 0.2728, 0.3806

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

23.1802, 0.2948, 0.3475

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.1278, 0.2728, 0.3806 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(83, 153, 126)` looks like.

```
.text, #text, p{  
    color:rgb(83, 153, 126)  
}
```

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(83, 153, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 153, 126) }
```

Border

The CSS property to change the border of an element to Yxy 26.1278, 0.2728, 0.3806 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(83, 153, 126) }
```

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

```
.border{ border-color:rgb(83, 153, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 153, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 153, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 153, 126);  
box-shadow:4px 4px 4px 4px rgb(83, 153,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 26.1278, 0.2728, 0.3806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 153, 126) }
```

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

```
.background{ background-color: rgb(83, 153,  
126) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor