

Converting Colors

$Y_{xy}(25.5795, 0.2527, 0.4298)$

Have a look what the booklet for
Yxy(25.5795, 0.2527, 0.4298)
contains.

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Color

$Y_{xy}(25.5795, 0.2527, 0.4298)$

Conversions

Conversions Part 1

Format	Color
Hex	009E6E
RGB	0, 158, 110
RGB Percent	0%, 62%, 43%
CMY	1.0000, 0.3804, 0.5686
CMYK	1.00, 0.00, 0.30, 0.38
HSL	162°, 100%, 31%
HSV	162°, 100%, 62%
XYZ	15.0394, 25.5795, 18.8960
YIQ	105.2860, -78.7600, -48.4240

Conversions

Conversions Part 2

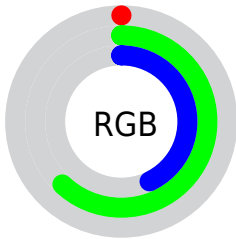
Format	Color
RYB	0, 93, 158
Decimal	40558
CIELab	57.64, -46.96, 15.40
CIELCh	58, 49.418, 161.842
Yxy	25.5795, 0.2527, 0.4298
Android (android.graphics.Color)	4278230638 (0xFF009E6E)
YUV	105.2860, 2.3240, -92.3358
Hunter-Lab	50.5762, -35.4293, 13.2517

Details

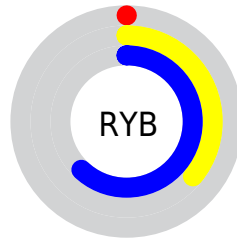
The Yxy color **25.5795, 0.2527, 0.4298** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **7.4832, 0.5719, 0.2924**, and the grayscale version is **14.2187, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.7765, 0.2663, 0.4062**, and **10.4510, 0.2616, 0.4617** is the 20% darker color. If you saturate the color by 10%, you get **25.5817, 0.2527, 0.4298**, and if you desaturate by 10%, it is **25.7975, 0.2518, 0.4185**.

Distribution



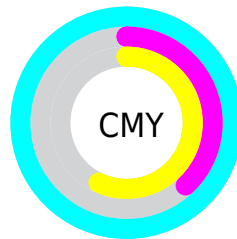
- Red (0%)
- Green (62%)
- Blue (43%)



- Red (0%)
- Yellow (36%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (30%)
- Black (38%)





- Cyan (100%)
- Magenta (38%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.5795, 0.2527, 0.4298 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 25.5795, 0.2527, 0.4298 by changing the saturation by 10% instead.


 25.5795, 0.2527,
0.4298


 25.5795, 0.2527,
0.4298


280.7117, 0.2870,
0.3713


 16.5093, 0.2424,
0.4479


 52.5958, 0.2664,
0.4062


 9.8853, 0.2278,
0.4736


 71.3107, 0.2712,
0.3981

 5.3230, 0.2060,
0.5130

 94.0093, 0.2750,
0.3915


 2.4380, 0.1689,
0.5806

 121.0760, 0.2782,
0.3861

 0.8453, 0.0000,
1.0000

 152.8952, 0.2810,
0.3815

 0.0000, 0.0000,
0.0000

 189.8513, 0.2833,

0.3776

232.3287, 0.2853,
0.3742

■ 25.5795, 0.2527,
0.4298

■ 25.5795, 0.2527,
0.4298

■ 25.5817, 0.2527,
0.4298

■ 25.7975, 0.2518,
0.4185

■ 26.1030, 0.2523,
0.4072

■ 26.5353, 0.2548,
0.3958

■ 27.1097, 0.2592,
0.3846

■ 27.8396, 0.2652,
0.3738

■ 28.7367, 0.2728,
0.3634

■ 29.8114, 0.2817,
0.3537

■ 31.0734, 0.2914,
0.3447

■ 32.5316, 0.3019,
0.3365

Harmonies

Analogous

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



25.5795, 0.3298, 0.4822



25.5795, 0.2527, 0.4298



25.5795, 0.1962, 0.3390

Triad

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



25.5795, 0.2527, 0.4298



25.5795, 0.2126, 0.2036



25.5795, 0.4781, 0.3619

Complementary

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



25.5795, 0.2527, 0.4298



7.4832, 0.5719, 0.2924

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.



25.5795, 0.4404, 0.3028



25.5795, 0.2527, 0.4298



25.5795, 0.2770, 0.2166

Square

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



25.5795, 0.2527, 0.4298



25.5795, 0.1773, 0.2166



25.5795, 0.3619, 0.2517



25.5795, 0.4627, 0.4223

Rectangle

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



25.5795, 0.2527, 0.4298



25.5795, 0.1760, 0.2835



25.5795, 0.3619, 0.2517



25.5795, 0.4715, 0.3418

Sweetspot

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



25.5817, 0.2527, 0.4298



54.0089, 0.2811, 0.3543



25.1349, 0.3163, 0.5870



11.9942, 0.2775, 0.3581



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.



25.5817, 0.2527, 0.4298



46.4152, 0.2533, 0.4319



18.1795, 0.2083, 0.2700



7.4751, 0.3027, 0.3359



20.4937, 0.2525, 0.4289



0.3735, 0.2400, 0.3839

Inverse Universe

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



7.4832, 0.5719, 0.2924



13.5568, 0.5768, 0.2951



8.1469, 0.6189, 0.3468



6.6777, 0.3239, 0.3222



5.9991, 0.5698, 0.2913



0.1143, 0.4686, 0.2355

Previews

White Background



This preview shows how the Yxy color 25.5795, 0.2527, 0.4298 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 25.5795, 0.2527, 0.4298 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 25.5795, 0.2527, 0.4298

Background



This preview shows how black text looks on a background with the Yxy color 25.5795, 0.2527, 0.4298.



This preview shows how white text looks on a background with the Yxy color 25.5795, 0.2527, 0.4298.

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

25.5795, 0.2527, 0.4298

Protanopia

25.4124, 0.3637, 0.3908

Deuteranopia

25.1344, 0.3627, 0.3547



Tritanopia

25.5344, 0.2300, 0.3067

Trichromacy



Original Color

25.5795, 0.2527, 0.4298



Protanomaly

23.6300, 0.2992, 0.4101



Deuteranomaly

23.0314, 0.2969, 0.3814



Tritanomaly

25.4649, 0.2359, 0.3483

Monochromacy



Original Color

25.5795, 0.2527, 0.4298



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

16.6701, 0.2686, 0.3677

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.5795, 0.2527, 0.4298 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(0, 158, 110)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 110)  
}
```

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(0, 158, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 110) }
```

Border

The CSS property to change the border of an element to Yxy 25.5795, 0.2527, 0.4298 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(0, 158, 110) }
```

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

```
.border{ border-color:rgb(0, 158, 110) }
```

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

Here you see how a box with a 4 pixel rgb(0, 158, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 110);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 25.5795, 0.2527, 0.4298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 158, 110) }
```

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

```
.background{ background-color: rgb(0, 158,  
110) }
```

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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