

Converting Colors

$Yxy(24.9221, 0.2624, 0.4645)$

Have a look what the booklet for
Yxy(24.9221, 0.2624, 0.4645)
contains.

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Color

Yxy(24.9221, 0.2624, 0.4645)

Conversions

Conversions Part 1

Format	Color
Hex	009D5E
RGB	0, 157, 94
RGB Percent	0%, 62%, 37%
CMY	0.9991, 0.3843, 0.6315
CMYK	1.00, 0.00, 0.40, 0.38
HSL	156°, 100%, 31%
HSV	156°, 100%, 62%
XYZ	14.0787, 24.9221, 14.6528
YIQ	102.8750, -73.3490, -52.8770

Conversions

Conversions Part 2

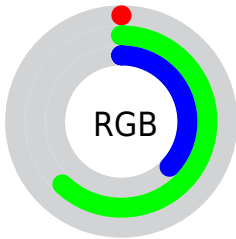
Format	Color
RYB	0, 98, 157
Decimal	40286
CIELab	57.00, -50.10, 23.37
CIELCh	57, 55.283, 154.992
Yxy	24.9221, 0.2624, 0.4645
Android (android.graphics.Color)	4278230366 (0xFF009D5E)
YUV	102.8750, -4.3754, -90.2214
Hunter-Lab	49.9220, -37.0241, 17.5430

Details

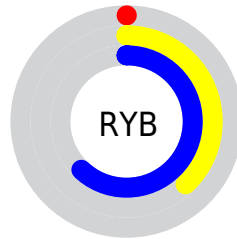
The Yxy color **24.9221, 0.2624, 0.4645** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **7.5351, 0.5335, 0.2714**, and the grayscale version is **13.5744, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.7075, 0.2752, 0.4321**, and **10.1059, 0.2742, 0.5073** is the 20% darker color. If you saturate the color by 10%, you get **24.9198, 0.2624, 0.4647**, and if you desaturate by 10%, it is **25.1491, 0.2607, 0.4495**.

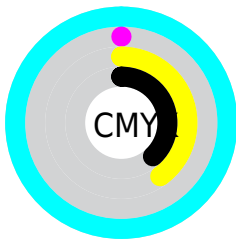
Distribution



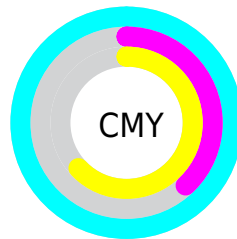
- Red (0%)
- Green (62%)
- Blue (37%)



- Red (0%)
- Yellow (38%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (40%)
- Black (38%)





- Cyan (100%)
- Magenta (38%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.9221, 0.2624, 0.4645 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 24.9221, 0.2624, 0.4645 by changing the saturation by 10% instead.


 24.9221, 0.2624,
0.4645


 24.9221, 0.2624,
0.4645


277.4498, 0.2928,
0.3845


 16.0190, 0.2525,
0.4897


 51.5308, 0.2750,
0.4319


 9.5376, 0.2379,
0.5260


 70.0053, 0.2792,
0.4208


 5.0935, 0.2148,
0.5818

 92.4389, 0.2826,
0.4118

 2.3022, 0.1723,
0.7012

 119.2162, 0.2854,
0.4044

 0.7749, 0.0000,
1.0000

 150.7216, 0.2877,
0.3982

 0.0000, 0.0000,
0.0000

 187.3394, 0.2896,

0.3930

229.4540, 0.2913,
0.3885

■ 24.9221, 0.2624,
0.4645

■ 24.9221, 0.2624,
0.4645

■ 24.9198, 0.2624,
0.4647

■ 25.1491, 0.2607,
0.4495

■ 25.4683, 0.2604,
0.4342

■ 25.9166, 0.2621,
0.4188

■ 26.5092, 0.2657,
0.4036

■ 27.2594, 0.2710,
0.3889

■ 28.1786, 0.2777,
0.3749

■ 29.2774, 0.2855,
0.3618

■ 30.5654, 0.2942,
0.3497

■ 32.0514, 0.3034,
0.3388

Harmonies

Analogous

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



24.9221, 0.3496, 0.5059



24.9221, 0.2624, 0.4645



24.9221, 0.1939, 0.3634

Triad

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



24.9221, 0.2624, 0.4645



24.9221, 0.1902, 0.1912



24.9221, 0.4943, 0.3474

Complementary

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



24.9221, 0.2624, 0.4645



7.5351, 0.5335, 0.2714

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.



24.9221, 0.4392, 0.2848



24.9221, 0.2624, 0.4645



24.9221, 0.2533, 0.1998

Square

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



24.9221, 0.2624, 0.4645



24.9221, 0.1594, 0.2114



24.9221, 0.3447, 0.2328



24.9221, 0.4878, 0.4139

Rectangle

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



24.9221, 0.2624, 0.4645



24.9221, 0.1672, 0.2959



24.9221, 0.3447, 0.2328



24.9221, 0.4825, 0.3259

Sweetspot

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



24.9231, 0.2624, 0.4645



52.2783, 0.2849, 0.3627



25.2572, 0.3269, 0.5785



11.3282, 0.2818, 0.3677



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.



24.9231, 0.2624, 0.4645



44.5906, 0.2632, 0.4675



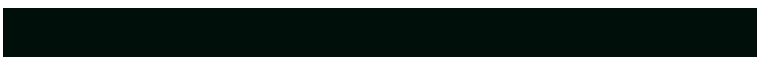
22.3631, 0.2176, 0.3031



7.4643, 0.3039, 0.3381



20.2470, 0.2621, 0.4636



0.3702, 0.2454, 0.4034

Inverse Universe

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



7.5351, 0.5335, 0.2714



13.4468, 0.5386, 0.2741



7.4643, 0.6323, 0.3359



6.6881, 0.3224, 0.3200



6.1213, 0.5320, 0.2704



0.1176, 0.4363, 0.2177

Previews

White Background



This preview shows how the Yxy color 24.9221, 0.2624, 0.4645 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 24.9221, 0.2624, 0.4645 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 24.9221, 0.2624, 0.4645

Background



This preview shows how black text looks on a background with the Yxy color 24.9221, 0.2624, 0.4645.



This preview shows how white text looks on a background with the Yxy color 24.9221, 0.2624, 0.4645.

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

24.9221, 0.2624, 0.4645

Protanopia

24.5761, 0.3807, 0.4122

Deuteranopia

24.4624, 0.3849, 0.3769



Tritanopia

24.9380, 0.2320, 0.3066

Trichromacy



Original Color

24.9221, 0.2624, 0.4645



Protanomaly

23.0475, 0.3124, 0.4392



Deuteranomaly

22.5216, 0.3140, 0.4118



Tritanomaly

24.6377, 0.2399, 0.3588

Monochromacy



Original Color

24.9221, 0.2624, 0.4645



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

16.2443, 0.2739, 0.3826

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9221, 0.2624, 0.4645 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, 157, 94)` looks like.

```
.text, #text, p{  
    color:rgb(0, 157, 94)  
}
```

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, 157, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 157, 94) }
```

Border

The CSS property to change the border of an element to Yxy 24.9221, 0.2624, 0.4645 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, 157, 94) }
```

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

```
.border{ border-color:rgb(0, 157, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 157, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 157, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 157, 94);  
box-shadow:4px 4px 4px 4px rgb(0, 157, 94)  
}
```


Background

The CSS property to change the background color of an element to Yxy 24.9221, 0.2624, 0.4645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 157, 94) }
```

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

```
.background{ background-color: rgb(0, 157,  
94) }
```

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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