

Converting Colors

$Yxy(21.0399, 0.1800, 0.5793)$

Have a look what the booklet for
Yxy(21.0399, 0.1800, 0.5793)
contains.

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Color

$\text{Yxy}(24.4956, 0.2795, 0.5262)$

Conversions

Conversions Part 1

Format	Color
Hex	009D41
RGB	0, 157, 65
RGB Percent	0%, 62%, 25%
CMY	1.0000, 0.3843, 0.7450
CMYK	1.00, 0.00, 0.59, 0.38
HSL	145°, 100%, 31%
HSV	145°, 100%, 62%
XYZ	13.0113, 24.4956, 9.0450
YIQ	99.5690, -64.0400, -61.8960

Conversions

Conversions Part 2

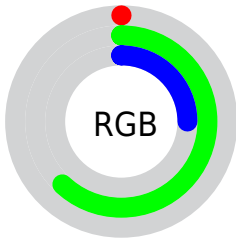
Format	Color
RYB	0, 111, 157
Decimal	40257
CIELab	56.58, -55.16, 37.87
CIELCh	57, 66.908, 145.526
Yxy	24.4956, 0.2795, 0.5262
Android (android.graphics.Color)	4278230337 (0xFF009D41)
YUV	99.5690, -17.0425, -87.3220
Hunter-Lab	49.4930, -39.6868, 23.8097

Details

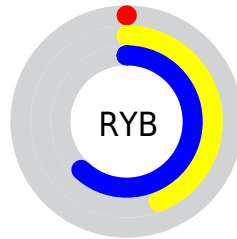
The Yxy color **24.4956, 0.2795, 0.5262** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **7.9409, 0.4577, 0.2295**, and the grayscale version is **12.6857, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.9242, 0.2905, 0.4776**, and **9.9323, 0.2953, 0.5832** is the 20% darker color. If you saturate the color by 10%, you get **24.4966, 0.2795, 0.5262**, and if you desaturate by 10%, it is **24.7197, 0.2768, 0.5065**.

Distribution



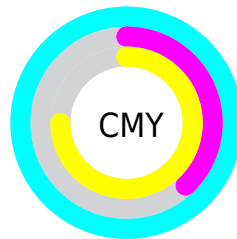
- Red (0%)
- Green (62%)
- Blue (25%)



- Red (0%)
- Yellow (44%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (59%)
- Black (38%)




- Cyan (100%)
- Magenta (38%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.4956, 0.2795, 0.5262 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 24.4956, 0.2795, 0.5262 by changing the saturation by 10% instead.


 24.4956, 0.2795,
0.5262


 24.4956, 0.2795,
0.5262


275.3166, 0.3037,
0.4086


 15.7017, 0.2694,
0.5630


 50.8377, 0.2909,
0.4781


 9.3133, 0.2531,
0.6148


 69.1547, 0.2943,
0.4617

 4.9461, 0.2262,
0.6955

 91.4149, 0.2968,
0.4485

 2.2157, 0.1523,
0.8477

 118.0026, 0.2988,
0.4377

 0.7285, 0.0000,
1.0000

 149.3022, 0.3004,
0.4286

 0.0000, 0.0000,
0.0000

 185.6981, 0.3017,

0.4209

227.5748, 0.3028,
0.4143

■ 24.4956, 0.2795,
0.5262

■ 24.4956, 0.2795,
0.5262

■ 24.4966, 0.2795,
0.5262

■ 24.7197, 0.2768,
0.5065

■ 25.0433, 0.2754,
0.4853

■ 25.5050, 0.2758,
0.4630

■ 26.1206, 0.2780,
0.4405

■ 26.9037, 0.2817,
0.4185

■ 27.8663, 0.2866,
0.3974

■ 29.0193, 0.2925,
0.3778

■ 30.3728, 0.2989,
0.3598

■ 31.9360, 0.3058,
0.3435

Harmonies

Analogous

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



24.4956, 0.3819, 0.5370



24.4956, 0.2795, 0.5262



24.4956, 0.1912, 0.4130

Triad

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



24.4956, 0.2795, 0.5262



24.4956, 0.1551, 0.1716



24.4956, 0.5189, 0.3215

Complementary

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



24.4956, 0.2795, 0.5262



7.9409, 0.4577, 0.2295

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.



24.4956, 0.4321, 0.2546



24.4956, 0.2795, 0.5262



24.4956, 0.2140, 0.1728

Square

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



24.4956, 0.2795, 0.5262



24.4956, 0.1317, 0.2040



24.4956, 0.3123, 0.2019



24.4956, 0.5294, 0.3953

Rectangle

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



24.4956, 0.2795, 0.5262



24.4956, 0.1533, 0.3224



24.4956, 0.3123, 0.2019



24.4956, 0.4974, 0.2983

Sweetspot

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



24.4966, 0.2795, 0.5262



51.8400, 0.2921, 0.3789



26.5052, 0.3519, 0.5588



11.2225, 0.2898, 0.3864



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.



24.4966, 0.2795, 0.5262



43.8333, 0.2804, 0.5296



26.0469, 0.2333, 0.3598



7.4443, 0.3063, 0.3424



19.9021, 0.2791, 0.5248



0.3641, 0.2574, 0.4467

Inverse Universe

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



7.9409, 0.4577, 0.2295



14.1819, 0.4610, 0.2313



7.2049, 0.6267, 0.3226



6.7081, 0.3197, 0.3160



6.4567, 0.4564, 0.2288



0.1237, 0.3905, 0.1925

Previews

White Background



This preview shows how the Yxy color 24.4956, 0.2795, 0.5262 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 24.4956, 0.2795, 0.5262 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 24.4956, 0.2795, 0.5262

Background



This preview shows how black text looks on a background with the Yxy color 24.4956, 0.2795, 0.5262.



This preview shows how white text looks on a background with the Yxy color 24.4956, 0.2795, 0.5262.

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

24.4956, 0.2795, 0.5262

Protanopia

24.1175, 0.4104, 0.4498

Deuteranopia

24.1809, 0.4205, 0.4139



Tritanopia

24.3948, 0.2347, 0.3065

Trichromacy



Original Color

24.4956, 0.2795, 0.5262



Protanomaly

22.4147, 0.3364, 0.4902



Deuteranomaly

21.9107, 0.3421, 0.4638



Tritanomaly

24.0452, 0.2482, 0.3825

Monochromacy



Original Color

24.4956, 0.2795, 0.5262



Achromatopsia

12.7438, 0.3127, 0.3290



Achromatomaly

15.4529, 0.2841, 0.4114

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4956, 0.2795, 0.5262 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, 65)` looks like.

```
.text, #text, p{  
    color:rgb(0, 157, 65)  
}
```

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, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 157, 65) }
```

Border

The CSS property to change the border of an element to Yxy 24.4956, 0.2795, 0.5262 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, 65) }
```

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

```
.border{ border-color:rgb(0, 157, 65) }
```

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, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 157, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 157, 65);  
box-shadow:4px 4px 4px 4px rgb(0, 157, 65)  
}
```


Background

The CSS property to change the background color of an element to Yxy 24.4956, 0.2795, 0.5262 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, 65) }
```

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

```
.background{ background-color: rgb(0, 157,  
65) }
```

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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