

Converting Colors

$Y_{xy}(24.2153, 0.2822, 0.5264)$

Have a look what the booklet for
Yxy(24.2153, 0.2822, 0.5264)
contains.

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Color

Yxy(24.2405, 0.2820, 0.5261)

Conversions

Conversions Part 1

Format	Color
Hex	0E9C40
RGB	14, 156, 64
RGB Percent	5%, 61%, 25%
CMY	0.9455, 0.3882, 0.7491
CMYK	0.91, 0.00, 0.59, 0.39
HSL	141°, 84%, 33%
HSV	141°, 91%, 61%
XYZ	12.9934, 24.2405, 8.8420
YIQ	103.0540, -55.1000, -58.7160

Conversions

Conversions Part 2

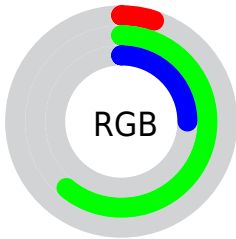
Format	Color
R_{YB}	14, 119, 156
Decimal	957504
CIE _{Lab}	56.33, -54.19, 38.09
CIE _{LCh}	56, 66.237, 144.891
Yxy	24.2405, 0.2820, 0.5261
Android (android.graphics.Color)	4279147584 (0xFF0E9C40)
YUV	103.0540, -19.2536, -78.1004
Hunter-Lab	49.2346, -39.0532, 23.8165

Details

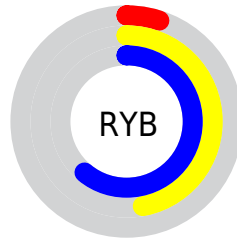
The Yxy color **24.2405, 0.2820, 0.5261** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **8.4187, 0.4194, 0.2145**, and the grayscale version is **13.6333, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.5260, 0.2929, 0.4791**, and **9.7270, 0.2960, 0.5856** is the 20% darker color. If you saturate the color by 10%, you get **24.0547, 0.2844, 0.5439**, and if you desaturate by 10%, it is **24.5431, 0.2802, 0.5039**.

Distribution



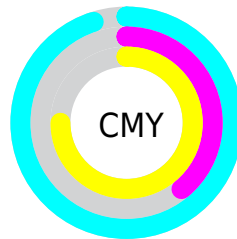
- Red (5%)
- Green (61%)
- Blue (25%)



- Red (5%)
- Yellow (47%)
- Blue (61%)



- Cyan (91%)
- Magenta (0%)
- Yellow (59%)
- Black (39%)




- Cyan (95%)
- Magenta (39%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.2405, 0.2820, 0.5261 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 24.2405, 0.2820, 0.5261 by changing the saturation by 10% instead.


 24.2405, 0.2820,
0.5261

 24.2405, 0.2820,
0.5261


274.0341, 0.3048,
0.4084

 15.5121, 0.2722,
0.5629


 50.4224, 0.2929,
0.4780

 9.1796, 0.2562,
0.6147


 68.6447, 0.2961,
0.4616

 4.8585, 0.2301,
0.6967

 90.8004, 0.2985,
0.4484

 2.1645, 0.1544,
0.8456

 117.2739, 0.3004,
0.4375

 0.7005, 0.0000,
1.0000

 148.4497, 0.3019,
0.4285

 0.0000, 0.0000,
0.0000

 184.7120, 0.3030,

0.4208

226.4454, 0.3040,
0.4142

■ 24.2405, 0.2820,
0.5261

■ 24.2405, 0.2820,
0.5261

■ 24.0547, 0.2844,
0.5439

■ 24.5431, 0.2802,
0.5039

■ 24.9821, 0.2802,
0.4800

■ 25.5749, 0.2818,
0.4554

■ 26.3352, 0.2849,
0.4309

■ 27.2753, 0.2892,
0.4074

■ 28.4063, 0.2943,
0.3854

■ 29.7382, 0.3000,
0.3652

■ 31.2805, 0.3059,
0.3470

■ 33.0420, 0.3120,
0.3307

Harmonies

Analogous

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



24.2405, 0.3839, 0.5350



24.2405, 0.2820, 0.5261



24.2405, 0.1935, 0.4154

Triad

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



24.2405, 0.2820, 0.5261



24.2405, 0.1550, 0.1727



24.2405, 0.5165, 0.3203

Complementary

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



24.2405, 0.2820, 0.5261



8.4187, 0.4194, 0.2145

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.



24.2405, 0.4289, 0.2537



24.2405, 0.2820, 0.5261



24.2405, 0.2129, 0.1733

Square

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



24.2405, 0.2820, 0.5261



24.2405, 0.1324, 0.2059



24.2405, 0.3099, 0.2016



24.2405, 0.5288, 0.3937

Rectangle

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



24.2405, 0.2820, 0.5261



24.2405, 0.1551, 0.3252



24.2405, 0.3099, 0.2016



24.2405, 0.4946, 0.2971

Sweetspot

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



24.2415, 0.2820, 0.5261



52.4074, 0.2962, 0.3780



26.8910, 0.3626, 0.5433



11.3732, 0.2945, 0.3845



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.



24.2415, 0.2820, 0.5261



43.6523, 0.2854, 0.5473



25.6120, 0.2383, 0.3716



7.4377, 0.3071, 0.3438



19.8181, 0.2840, 0.5426



0.3620, 0.2622, 0.4638

Inverse Universe

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



8.4187, 0.4194, 0.2145



14.5060, 0.4358, 0.2174



7.5024, 0.5910, 0.3128



6.7148, 0.3188, 0.3146



6.6027, 0.4320, 0.2154



0.1258, 0.3783, 0.1858

Previews

White Background



This preview shows how the Yxy color 24.2405, 0.2820, 0.5261 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 24.2405, 0.2820, 0.5261 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 24.2405, 0.2820, 0.5261

Background



This preview shows how black text looks on a background with the Yxy color 24.2405, 0.2820, 0.5261.



This preview shows how white text looks on a background with the Yxy color 24.2405, 0.2820, 0.5261.

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

24.2405, 0.2820, 0.5261

Protanopia

23.7352, 0.4109, 0.4503

Deuteranopia

23.7987, 0.4212, 0.4143



Tritanopia

24.0832, 0.2354, 0.3064

Trichromacy



Original Color

24.2405, 0.2820, 0.5261



Protanomaly

22.3816, 0.3431, 0.4877



Deuteranomaly

21.8578, 0.3481, 0.4620



Tritanomaly

23.8258, 0.2508, 0.3825

Monochromacy



Original Color

24.2405, 0.2820, 0.5261



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

15.9799, 0.2893, 0.4068

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2405, 0.2820, 0.5261 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(14, 156, 64)` looks like.

```
.text, #text, p{  
    color:rgb(14, 156, 64)  
}
```

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(14, 156, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 156, 64) }
```

Border

The CSS property to change the border of an element to Yxy 24.2405, 0.2820, 0.5261 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(14, 156, 64) }
```

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

```
.border{ border-color:rgb(14, 156, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 156, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 156, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 156, 64);  
box-shadow:4px 4px 4px 4px rgb(14, 156,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2405, 0.2820, 0.5261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 156, 64) }
```

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

```
.background{ background-color: rgb(14, 156,  
64) }
```

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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