

Converting Colors

$Yxy(19.0691, 0.1980, 0.4716)$

Have a look what the booklet for
Yxy(19.0691, 0.1980, 0.4716)
contains.

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Color

Yxy(21.3305, 0.2590, 0.4525)

Conversions

Conversions Part 1

Format	Color
Hex	00925C
RGB	0, 146, 92
RGB Percent	0%, 57%, 36%
CMY	1.0000, 0.4274, 0.6392
CMYK	1.00, 0.00, 0.37, 0.43
HSL	158°, 100%, 29%
HSV	158°, 100%, 57%
XYZ	12.2091, 21.3305, 13.5997
YIQ	96.1900, -69.6820, -47.7460

Conversions

Conversions Part 2

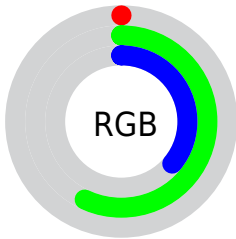
Format	Color
RYB	0, 90, 146
Decimal	37468
CIELab	53.31, -46.47, 19.53
CIELCh	53, 50.402, 157.208
Yxy	21.3305, 0.2590, 0.4525
Android (android.graphics.Color)	4278227548 (0xFF00925C)
YUV	96.1900, -2.0657, -84.3586
Hunter-Lab	46.1850, -33.6369, 14.8709

Details

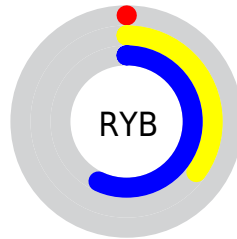
The Yxy color **21.3305, 0.2590, 0.4525** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **6.3779, 0.5453, 0.2778**, and the grayscale version is **11.7646, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.6413, 0.2722, 0.4211**, and **8.1949, 0.2713, 0.4967** is the 20% darker color. If you saturate the color by 10%, you get **21.3325, 0.2590, 0.4525**, and if you desaturate by 10%, it is **21.5286, 0.2577, 0.4387**.

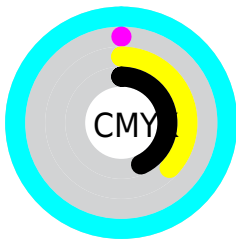
Distribution



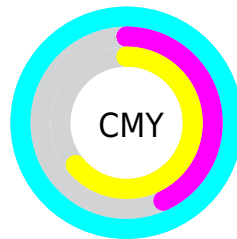
- Red (0%)
- Green (57%)
- Blue (36%)



- Red (0%)
- Yellow (35%)
- Blue (57%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (43%)





- Cyan (100%)
- Magenta (43%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3305, 0.2590, 0.4525 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 21.3305, 0.2590, 0.4525 by changing the saturation by 10% instead.


 21.3305, 0.2590,
0.4525


 21.3305, 0.2590,
0.4525


259.0297, 0.2914,
0.3784

 13.3658, 0.2483,
0.4768


 45.6369, 0.2725,
0.4217


 7.6809, 0.2324,
0.5125


 62.7475, 0.2770,
0.4114


 3.8915, 0.2069,
0.5694

 83.6754, 0.2806,
0.4032

 1.6130, 0.1256,
0.7614

 108.8051, 0.2836,
0.3964

 0.3664, 0.0000,
1.0000

 138.5210, 0.2860,
0.3908

 0.0000, 0.0000,
0.0000

 173.2075, 0.2881,

0.3860

213.2489, 0.2899,
0.3819

■ 21.3305, 0.2590,
0.4525

■ 21.3305, 0.2590,
0.4525

■ 21.3325, 0.2590,
0.4525

■ 21.5286, 0.2577,
0.4387

■ 21.7992, 0.2578,
0.4248

■ 22.1779, 0.2598,
0.4108

■ 22.6773, 0.2637,
0.3970

■ 23.3083, 0.2692,
0.3836

■ 24.0806, 0.2762,
0.3709

■ 25.0029, 0.2843,
0.3591

■ 26.0832, 0.2933,
0.3481

■ 27.3288, 0.3028,
0.3381

Harmonies

Analogous

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



21.3305, 0.3429, 0.4982



21.3305, 0.2590, 0.4525



21.3305, 0.1946, 0.3547

Triad

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



21.3305, 0.2590, 0.4525



21.3305, 0.1977, 0.1953



21.3305, 0.4889, 0.3524

Complementary

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



21.3305, 0.2590, 0.4525



6.3779, 0.5453, 0.2778

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.



21.3305, 0.4399, 0.2909



21.3305, 0.2590, 0.4525



21.3305, 0.2613, 0.2054

Square

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



21.3305, 0.2590, 0.4525



21.3305, 0.1654, 0.2131



21.3305, 0.3508, 0.2392



21.3305, 0.4793, 0.4170

Rectangle

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



21.3305, 0.2590, 0.4525



21.3305, 0.1701, 0.2914



21.3305, 0.3508, 0.2392



21.3305, 0.4790, 0.3313

Sweetspot

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



21.3325, 0.2590, 0.4525



43.9974, 0.2838, 0.3598



21.3996, 0.3235, 0.5813



9.6464, 0.2807, 0.3641



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.3325, 0.2590, 0.4525



37.5960, 0.2598, 0.4551



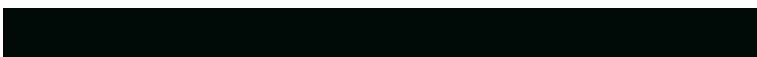
17.7687, 0.2146, 0.2925



6.5262, 0.3036, 0.3373



18.7754, 0.2588, 0.4518



0.2355, 0.2417, 0.3901

Inverse Universe

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



6.3779, 0.5453, 0.2778



11.2201, 0.5503, 0.2805



6.5135, 0.6282, 0.3394



5.8487, 0.3228, 0.3208



5.6161, 0.5440, 0.2771



0.0741, 0.4399, 0.2197

Previews

White Background



This preview shows how the Yxy color 21.3305, 0.2590, 0.4525 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 21.3305, 0.2590, 0.4525 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 21.3305, 0.2590, 0.4525

Background



This preview shows how black text looks on a background with the Yxy color 21.3305, 0.2590, 0.4525.



This preview shows how white text looks on a background with the Yxy color 21.3305, 0.2590, 0.4525.

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

21.3305, 0.2590, 0.4525

Protanopia

21.1372, 0.3745, 0.4058

Deuteranopia

21.1905, 0.3765, 0.3701



Tritanopia

21.3973, 0.2318, 0.3071

Trichromacy



Original Color

21.3305, 0.2590, 0.4525

Protanomaly

19.7646, 0.3080, 0.4294

Deuteranomaly

19.5100, 0.3082, 0.4023

Tritanomaly

21.2543, 0.2392, 0.3564

Monochromacy



Original Color

21.3305, 0.2590, 0.4525

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

13.8530, 0.2717, 0.3761

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3305, 0.2590, 0.4525 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, 146, 92)` looks like.

```
.text, #text, p{  
    color:rgb(0, 146, 92)  
}
```

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, 146, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 146, 92) }
```

Border

The CSS property to change the border of an element to Yxy 21.3305, 0.2590, 0.4525 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, 146, 92) }
```

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

```
.border{ border-color:rgb(0, 146, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 146, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 146, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 146, 92);  
box-shadow:4px 4px 4px 4px rgb(0, 146, 92)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.3305, 0.2590, 0.4525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 146, 92) }
```

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

```
.background{ background-color: rgb(0, 146,  
92) }
```

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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