

Converting Colors

$Yxy(22.0121, 0.2715, 0.4968)$

Have a look what the booklet for
Yxy(22.0121, 0.2715, 0.4968)
contains.

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Color

Yxy(22.0093, 0.2715, 0.4967)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 01954B |
| RGB | 1, 149, 75 |
| RGB Percent | 0%, 58%, 29% |
| CMY | 0.9959, 0.4157, 0.7059 |
| CMYK | 0.99, 0.00, 0.50, 0.42 |
| HSL | 150°, 99%, 29% |
| HSV | 150°, 99%, 58% |
| XYZ | 12.0305, 22.0093, 10.2713 |
| YIQ | 96.3120, -64.4540, -54.3900 |

Conversions

Conversions Part 2

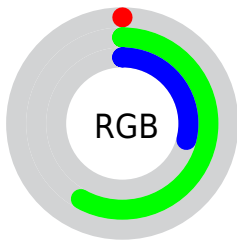
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 1, 100, 149 |
| Decimal | 103755 |
| CIELab | 54.04, -50.84, 29.71 |
| CIELCh | 54, 58.883, 149.699 |
| Yxy | 22.0093, 0.2715, 0.4967 |
| Android (android.graphics.Color) | 4278293835 (0xFF01954B) |
| YUV | 96.3120, -10.5068, -83.5886 |
| Hunter-Lab | 46.9141, -36.3258, 19.8590 |

Details

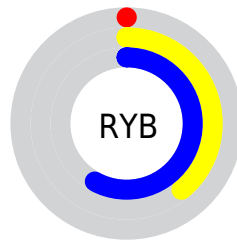
The Yxy color **22.0093, 0.2715, 0.4967** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **6.9212, 0.4906, 0.2483**, and the grayscale version is **11.8191, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6448, 0.2838, 0.4544**, and **8.6332, 0.2866, 0.5518** is the 20% darker color. If you saturate the color by 10%, you get **21.9962, 0.2717, 0.4980**, and if you desaturate by 10%, it is **22.2213, 0.2693, 0.4786**.

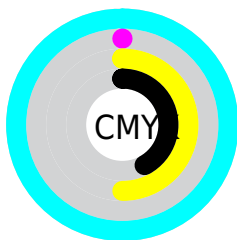
Distribution



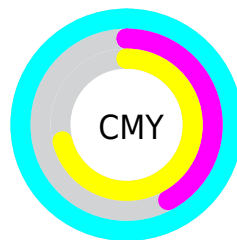
- Red (0%)
- Green (58%)
- Blue (29%)



- Red (0%)
- Yellow (39%)
- Blue (58%)



- Cyan (99%)
- Magenta (0%)
- Yellow (50%)
- Black (42%)




- Cyan (100%)
- Magenta (42%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0093, 0.2715, 0.4967 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 22.0093, 0.2715, 0.4967 by changing the saturation by 10% instead.


 22.0093, 0.2715,
0.4967


 22.0093, 0.2715,
0.4967


262.5948, 0.2987,
0.3954


 13.8637, 0.2612,
0.5297


 46.7614, 0.2836,
0.4547

 8.0260, 0.2451,
0.5776


 64.1367, 0.2874,
0.4405


 4.1116, 0.2176,
0.6523

 85.3573, 0.2904,
0.4292

 1.7362, 0.1196,
0.8804

 110.8077, 0.2927,
0.4200

 0.4469, 0.0000,
1.0000

 140.8723, 0.2946,
0.4123

 0.0000, 0.0000,
0.0000

 175.9354, 0.2962,

0.4058

216.3814, 0.2976,
0.4002

■ 22.0093, 0.2715,
0.4967

■ 22.0093, 0.2715,
0.4967

■ 21.9962, 0.2717,
0.4980

■ 22.2213, 0.2693,
0.4786

■ 22.5210, 0.2685,
0.4598

■ 22.9403, 0.2696,
0.4406

■ 23.4925, 0.2726,
0.4215

■ 24.1893, 0.2771,
0.4030

■ 25.0410, 0.2829,
0.3854

■ 26.0567, 0.2897,
0.3691

■ 27.2451, 0.2972,
0.3540

■ 28.6142, 0.3052,
0.3404

Harmonies

Analogous

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



22.0093, 0.3670, 0.5238



22.0093, 0.2715, 0.4967



22.0093, 0.1924, 0.3882

Triad

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



22.0093, 0.2715, 0.4967



22.0093, 0.1713, 0.1808



22.0093, 0.5075, 0.3339

Complementary

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



22.0093, 0.2715, 0.4967



6.9212, 0.4906, 0.2483

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.



22.0093, 0.4361, 0.2689



22.0093, 0.2715, 0.4967



22.0093, 0.2324, 0.1854

Square

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



22.0093, 0.2715, 0.4967



22.0093, 0.1445, 0.2074



22.0093, 0.3280, 0.2163



22.0093, 0.5098, 0.4047

Rectangle

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



22.0093, 0.2715, 0.4967



22.0093, 0.1598, 0.3090



22.0093, 0.3280, 0.2163



22.0093, 0.4908, 0.3114

Sweetspot

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



22.0102, 0.2715, 0.4967



46.4069, 0.2888, 0.3711



23.0960, 0.3403, 0.5674



10.1267, 0.2862, 0.3773



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



22.0102, 0.2715, 0.4967



39.3553, 0.2726, 0.5013



23.5942, 0.2261, 0.3337



6.5139, 0.3052, 0.3403



18.5186, 0.2713, 0.4968



0.2326, 0.2497, 0.4189

Inverse Universe

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



6.9212, 0.4906, 0.2483



12.3046, 0.4966, 0.2509



6.4202, 0.6362, 0.3287



5.8609, 0.3209, 0.3180



5.8058, 0.4909, 0.2478



0.0770, 0.4034, 0.1996

Previews

White Background



This preview shows how the Yxy color 22.0093, 0.2715, 0.4967 looks on a white background.

Color Contrast Check

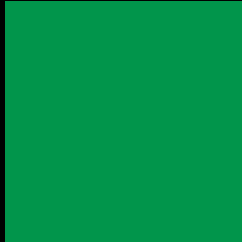
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0093, 0.2715, 0.4967 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 22.0093, 0.2715, 0.4967

Background



This preview shows how black text looks on a background with the Yxy color 22.0093, 0.2715, 0.4967.



This preview shows how white text looks on a background with the Yxy color 22.0093, 0.2715, 0.4967.

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

22.0093, 0.2715, 0.4967

Protanopia

21.8687, 0.3966, 0.4326

Deuteranopia

21.7437, 0.4031, 0.3962



Tritanopia

22.1866, 0.2339, 0.3074

Trichromacy



Original Color

22.0093, 0.2715, 0.4967



Protanomaly

20.2874, 0.3265, 0.4646



Deuteranomaly

19.7197, 0.3294, 0.4387



Tritanomaly

21.7951, 0.2449, 0.3714

Monochromacy



Original Color

22.0093, 0.2715, 0.4967



Achromatopsia

11.6971, 0.3127, 0.3290



Achromatomaly

13.9581, 0.2790, 0.3967

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0093, 0.2715, 0.4967 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(1, 149, 75)` looks like.

```
.text, #text, p{  
    color:rgb(1, 149, 75)  
}
```

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(1, 149, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 149, 75) }
```

Border

The CSS property to change the border of an element to Yxy 22.0093, 0.2715, 0.4967 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(1, 149, 75) }
```

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

```
.border{ border-color:rgb(1, 149, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 149, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 149, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 149, 75);  
box-shadow:4px 4px 4px 4px rgb(1, 149, 75)  
}
```


Background

The CSS property to change the background color of an element to Yxy 22.0093, 0.2715, 0.4967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 149, 75) }
```

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

```
.background{ background-color: rgb(1, 149,  
75) }
```

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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