

Converting Colors

$Yxy(20.1443, 0.2670, 0.4974)$

Have a look what the booklet for
Yxy(20.1443, 0.2670, 0.4974)
contains.

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Color

$\text{Yxy}(20.4276, 0.2709, 0.4951)$

Conversions

Conversions Part 1

Format	Color
Hex	009049
RGB	0, 144, 73
RGB Percent	0%, 56%, 29%
CMY	0.9993, 0.4353, 0.7138
CMYK	1.00, 0.00, 0.49, 0.44
HSL	150°, 100%, 28%
HSV	150°, 100%, 56%
XYZ	11.1772, 20.4276, 9.6547
YIQ	92.8500, -63.0330, -52.6090

Conversions

Conversions Part 2

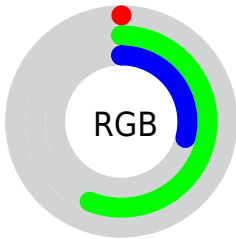
Format	Color
RYB	0, 96, 144
Decimal	36937
CIELab	52.32, -49.51, 28.60
CIELCh	52, 57.176, 149.982
Yxy	20.4276, 0.2709, 0.4951
Android (android.graphics.Color)	4278227017 (0xFF009049)
YUV	92.8500, -9.7860, -81.4294
Hunter-Lab	45.1969, -34.9515, 18.9726

Details

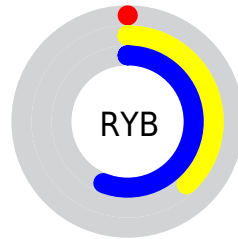
The Yxy color **20.4276, 0.2709, 0.4951** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **6.3908, 0.4940, 0.2496**, and the grayscale version is **10.9572, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.1617, 0.2833, 0.4524**, and **7.7289, 0.2867, 0.5521** is the 20% darker color. If you saturate the color by 10%, you get **20.4260, 0.2709, 0.4953**, and if you desaturate by 10%, it is **20.6251, 0.2688, 0.4772**.

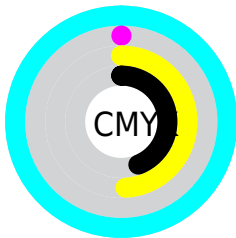
Distribution



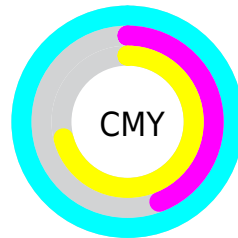
- Red (0%)
- Green (56%)
- Blue (29%)



- Red (0%)
- Yellow (38%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (49%)
- Black (44%)




- Cyan (100%)
- Magenta (44%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4276, 0.2709, 0.4951 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 20.4276, 0.2709, 0.4951 by changing the saturation by 10% instead.


 20.4276, 0.2709,
0.4951


 20.4276, 0.2709,
0.4951


254.2206, 0.2986,
0.3938


 12.7062, 0.2603,
0.5288


 44.1329, 0.2833,
0.4527


 7.2266, 0.2435,
0.5783


 60.8857, 0.2872,
0.4386

 3.6042, 0.2150,
0.6588

 81.4177, 0.2902,
0.4273

 1.4547, 0.0567,
0.9433

 106.1134, 0.2925,
0.4181

 0.2565, 0.0000,
1.0000

 135.3572, 0.2945,
0.4105

 0.0000, 0.0000,
0.0000

 169.5334, 0.2961,

0.4040

209.0264, 0.2974,
0.3985

■ 20.4276, 0.2709,
0.4951

■ 20.4276, 0.2709,
0.4951

■ 20.4260, 0.2709,
0.4953

■ 20.6251, 0.2688,
0.4772

■ 20.8989, 0.2680,
0.4587

■ 21.2822, 0.2691,
0.4398

■ 21.7876, 0.2720,
0.4210

■ 22.4255, 0.2765,
0.4028

■ 23.2056, 0.2823,
0.3855

■ 24.1364, 0.2892,
0.3693

■ 25.2258, 0.2967,
0.3544

■ 26.4810, 0.3046,
0.3410

Harmonies

Analogous

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



20.4276, 0.3660, 0.5231



20.4276, 0.2709, 0.4951



20.4276, 0.1924, 0.3867

Triad

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



20.4276, 0.2709, 0.4951



20.4276, 0.1722, 0.1812



20.4276, 0.5070, 0.3346

Complementary

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



20.4276, 0.2709, 0.4951



6.3908, 0.4940, 0.2496

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.



20.4276, 0.4365, 0.2697



20.4276, 0.2709, 0.4951



20.4276, 0.2334, 0.1860

Square

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



20.4276, 0.2709, 0.4951



20.4276, 0.1452, 0.2075



20.4276, 0.3290, 0.2171



20.4276, 0.5087, 0.4053

Rectangle

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



20.4276, 0.2709, 0.4951



20.4276, 0.1600, 0.3082



20.4276, 0.3290, 0.2171



20.4276, 0.4906, 0.3122

Sweetspot

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



20.4284, 0.2709, 0.4951



42.4395, 0.2886, 0.3705



21.3281, 0.3380, 0.5697



9.5845, 0.2860, 0.3765



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.



20.4284, 0.2709, 0.4951



35.9934, 0.2719, 0.4987



21.9611, 0.2247, 0.3287



6.0721, 0.3052, 0.3401



17.7923, 0.2707, 0.4944



0.1746, 0.2493, 0.4174

Inverse Universe

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



6.3908, 0.4940, 0.2496



11.2292, 0.4987, 0.2521



5.9337, 0.6398, 0.3300



5.4657, 0.3209, 0.3182



5.5654, 0.4931, 0.2490



0.0576, 0.4050, 0.2005

Previews

White Background



This preview shows how the Yxy color 20.4276, 0.2709, 0.4951 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 20.4276, 0.2709, 0.4951 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 20.4276, 0.2709, 0.4951

Background



This preview shows how black text looks on a background with the Yxy color 20.4276, 0.2709, 0.4951.



This preview shows how white text looks on a background with the Yxy color 20.4276, 0.2709, 0.4951.

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

20.4276, 0.2709, 0.4951

Protanopia

20.1270, 0.3963, 0.4310

Deuteranopia

20.2422, 0.4033, 0.3965



Tritanopia

20.5271, 0.2338, 0.3068

Trichromacy



Original Color

20.4276, 0.2709, 0.4951



Protanomaly

18.6885, 0.3251, 0.4631



Deuteranomaly

18.4610, 0.3290, 0.4375



Tritanomaly

20.1786, 0.2445, 0.3705

Monochromacy



Original Color

20.4276, 0.2709, 0.4951



Achromatopsia

10.9462, 0.3127, 0.3290



Achromatomaly

13.1900, 0.2784, 0.3958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4276, 0.2709, 0.4951 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, 144, 73)` looks like.

```
.text, #text, p{  
    color:rgb(0, 144, 73)  
}
```

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, 144, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 144, 73) }
```

Border

The CSS property to change the border of an element to Yxy 20.4276, 0.2709, 0.4951 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, 144, 73) }
```

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

```
.border{ border-color:rgb(0, 144, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 144, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 144, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 144, 73);  
box-shadow:4px 4px 4px 4px rgb(0, 144, 73)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.4276, 0.2709, 0.4951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 144, 73) }
```

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

```
.background{ background-color: rgb(0, 144,  
73) }
```

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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