

Converting Colors

$Yxy(20.8518, 0.2708, 0.4949)$

Have a look what the booklet for
Yxy(20.8518, 0.2708, 0.4949)
contains.

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Color

$Y_{xy}(20.7452, 0.2706, 0.4940)$

Conversions

Conversions Part 1

Format	Color
Hex	00914A
RGB	0, 145, 74
RGB Percent	0%, 57%, 29%
CMY	0.9991, 0.4314, 0.7098
CMYK	1.00, 0.00, 0.49, 0.43
HSL	151°, 100%, 28%
HSV	151°, 100%, 57%
XYZ	11.3637, 20.7452, 9.8855
YIQ	93.5510, -63.6290, -52.8210

Conversions

Conversions Part 2

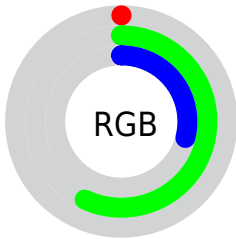
Format	Color
RYB	0, 96, 145
Decimal	37194
CIELab	52.67, -49.67, 28.51
CIELCh	53, 57.270, 150.148
Yxy	20.7452, 0.2706, 0.4940
Android (android.graphics.Color)	4278227274 (0xFF00914A)
YUV	93.5510, -9.6386, -82.0442
Hunter-Lab	45.5469, -35.1724, 19.0146

Details

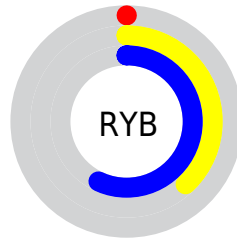
The Yxy color **20.7452, 0.2706, 0.4940** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **6.4819, 0.4956, 0.2505**, and the grayscale version is **11.1326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.6486, 0.2828, 0.4519**, and **7.9078, 0.2862, 0.5504** is the 20% darker color. If you saturate the color by 10%, you get **20.7432, 0.2706, 0.4943**, and if you desaturate by 10%, it is **20.9452, 0.2685, 0.4762**.

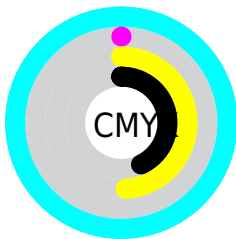
Distribution



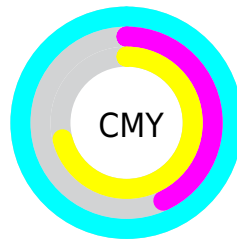
- Red (0%)
- Green (57%)
- Blue (29%)



- Red (0%)
- Yellow (38%)
- Blue (57%)



- Cyan (100%)
- Magenta (0%)
- Yellow (49%)
- Black (43%)




- Cyan (100%)
- Magenta (43%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7452, 0.2706, 0.4940 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 20.7452, 0.2706, 0.4940 by changing the saturation by 10% instead.


 20.7452, 0.2706,
0.4940


 20.7452, 0.2706,
0.4940


255.9213, 0.2984,
0.3936


 12.9379, 0.2601,
0.5273

 44.6631, 0.2830,
0.4520


 7.3858, 0.2434,
0.5760


 61.5424, 0.2868,
0.4380


 3.7045, 0.2151,
0.6543

 82.2146, 0.2899,
0.4269


 1.5097, 0.0740,
0.9260

 107.0640, 0.2923,
0.4177

 0.2955, 0.0000,
1.0000

 136.4749, 0.2942,
0.4102

 0.0000, 0.0000,
0.0000

 170.8319, 0.2958,

0.4038

210.5192, 0.2972,
0.3983

■ 20.7452, 0.2706,
0.4940

■ 20.7452, 0.2706,
0.4940

■ 20.7432, 0.2706,
0.4943

■ 20.9452, 0.2685,
0.4762

■ 21.2229, 0.2677,
0.4578

■ 21.6117, 0.2688,
0.4390

■ 22.1244, 0.2718,
0.4204

■ 22.7718, 0.2763,
0.4023

■ 23.5634, 0.2822,
0.3850

■ 24.5080, 0.2890,
0.3690

■ 25.6137, 0.2966,
0.3542

■ 26.8877, 0.3046,
0.3409

Harmonies

Analogous

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



20.7452, 0.3655, 0.5225



20.7452, 0.2706, 0.4940



20.7452, 0.1924, 0.3859

Triad

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



20.7452, 0.2706, 0.4940



20.7452, 0.1728, 0.1815



20.7452, 0.5066, 0.3351

Complementary

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



20.7452, 0.2706, 0.4940



6.4819, 0.4956, 0.2505

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.



20.7452, 0.4366, 0.2702



20.7452, 0.2706, 0.4940



20.7452, 0.2341, 0.1865

Square

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



20.7452, 0.2706, 0.4940



20.7452, 0.1457, 0.2076



20.7452, 0.3295, 0.2177



20.7452, 0.5080, 0.4056

Rectangle

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



20.7452, 0.2706, 0.4940



20.7452, 0.1603, 0.3077



20.7452, 0.3295, 0.2177



20.7452, 0.4903, 0.3127

Sweetspot

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



20.7460, 0.2706, 0.4940



43.7503, 0.2885, 0.3702



21.6518, 0.3380, 0.5697



9.5862, 0.2858, 0.3761



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.



20.7460, 0.2706, 0.4940



37.1141, 0.2716, 0.4977



22.2957, 0.2247, 0.3287



6.0724, 0.3052, 0.3400



17.7981, 0.2703, 0.4932



0.1746, 0.2490, 0.4166

Inverse Universe

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



6.4819, 0.4956, 0.2505



11.5624, 0.5004, 0.2530



6.0248, 0.6397, 0.3300



5.4654, 0.3210, 0.3183



5.5598, 0.4946, 0.2498



0.0576, 0.4058, 0.2009

Previews

White Background



This preview shows how the Yxy color 20.7452, 0.2706, 0.4940 looks on a white background.

Color Contrast Check

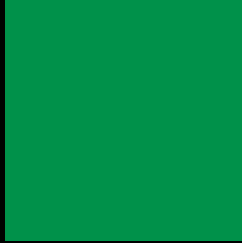
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7452, 0.2706, 0.4940 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 20.7452, 0.2706, 0.4940

Background



This preview shows how black text looks on a background with the Yxy color 20.7452, 0.2706, 0.4940.



This preview shows how white text looks on a background with the Yxy color 20.7452, 0.2706, 0.4940.

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

20.7452, 0.2706, 0.4940

Protanopia

20.4758, 0.3958, 0.4304

Deuteranopia

20.5914, 0.4026, 0.3961



Tritanopia

20.8417, 0.2336, 0.3069

Trichromacy



Original Color

20.7452, 0.2706, 0.4940



Protanomaly

19.0194, 0.3251, 0.4621



Deuteranomaly

18.7374, 0.3277, 0.4371



Tritanomaly

20.4940, 0.2443, 0.3703

Monochromacy



Original Color

20.7452, 0.2706, 0.4940



Achromatopsia

11.1932, 0.3127, 0.3290



Achromatomaly

13.4590, 0.2786, 0.3951

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7452, 0.2706, 0.4940 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, 145, 74)` looks like.

```
.text, #text, p{  
    color:rgb(0, 145, 74)  
}
```

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, 145, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 145, 74) }
```

Border

The CSS property to change the border of an element to Yxy 20.7452, 0.2706, 0.4940 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, 145, 74) }
```

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

```
.border{ border-color:rgb(0, 145, 74) }
```

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

Here you see how a box with a 4 pixel rgb(0, 145, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 145, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 145, 74);  
box-shadow:4px 4px 4px 4px rgb(0, 145, 74)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.7452, 0.2706, 0.4940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 145, 74) }
```

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

```
.background{ background-color: rgb(0, 145,  
74) }
```

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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