

Converting Colors

$Yxy(22.6107, 0.2717, 0.4981)$

Have a look what the booklet for
Yxy(22.6107, 0.2717, 0.4981)
contains.

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Color

Yxy(22.6412, 0.2720, 0.4992)

Conversions

Conversions Part 1

Format	Color
Hex	00974B
RGB	0, 151, 75
RGB Percent	0%, 59%, 29%
CMY	1.0000, 0.4078, 0.7059
CMYK	1.00, 0.00, 0.50, 0.41
HSL	150°, 100%, 30%
HSV	150°, 100%, 59%
XYZ	12.3366, 22.6412, 10.3772
YIQ	97.1870, -65.6000, -55.6480

Conversions

Conversions Part 2

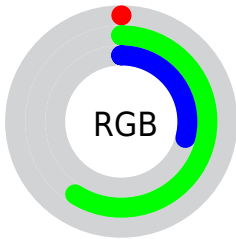
Format	Color
RYB	0, 101, 151
Decimal	38731
CIELab	54.70, -51.59, 30.54
CIELCh	55, 59.952, 149.373
Yxy	22.6412, 0.2720, 0.4992
Android (android.graphics.Color)	4278228811 (0xFF00974B)
YUV	97.1870, -10.9382, -85.2330
Hunter-Lab	47.5828, -36.9910, 20.3775

Details

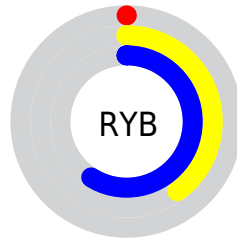
The Yxy color **22.6412, 0.2720, 0.4992** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **7.1013, 0.4913, 0.2480**, and the grayscale version is **12.0425, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.6017, 0.2841, 0.4566**, and **8.8192, 0.2869, 0.5527** is the 20% darker color. If you saturate the color by 10%, you get **22.6422, 0.2720, 0.4992**, and if you desaturate by 10%, it is **22.8550, 0.2697, 0.4811**.

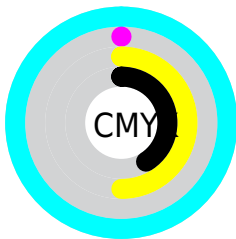
Distribution



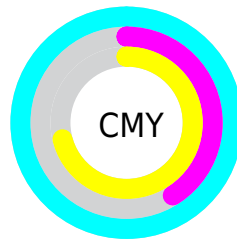
- Red (0%)
- Green (59%)
- Blue (29%)



- Red (0%)
- Yellow (40%)
- Blue (59%)



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (41%)




- Cyan (100%)
- Magenta (41%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.6412, 0.2720, 0.4992 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 22.6412, 0.2720, 0.4992 by changing the saturation by 10% instead.


 22.6412, 0.2720,
0.4992


 22.6412, 0.2720,
0.4992


265.8767, 0.2990,
0.3967


 14.3288, 0.2618,
0.5323


 47.8035, 0.2840,
0.4568


 8.3497, 0.2459,
0.5802


 65.4222, 0.2878,
0.4426

 4.3195, 0.2186,
0.6539

 86.9118, 0.2907,
0.4311

 1.8539, 0.1343,
0.8657

 112.6566, 0.2930,
0.4217

 0.5204, 0.0000,
1.0000

 143.0412, 0.2949,
0.4139

 0.0000, 0.0000,
0.0000

 178.4498, 0.2965,

0.4073

219.2668, 0.2978,
0.4016

■ 22.6412, 0.2720,
0.4992

■ 22.6412, 0.2720,
0.4992

■ 22.6422, 0.2720,
0.4992

■ 22.8550, 0.2697,
0.4811

■ 23.1548, 0.2687,
0.4622

■ 23.5770, 0.2697,
0.4429

■ 24.1356, 0.2725,
0.4236

■ 24.8426, 0.2769,
0.4049

■ 25.7088, 0.2826,
0.3871

■ 26.7439, 0.2893,
0.3705

■ 27.9568, 0.2968,
0.3553

■ 29.3556, 0.3046,
0.3414

Harmonies

Analogous

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



22.6412, 0.3682, 0.5252



22.6412, 0.2720, 0.4992



22.6412, 0.1921, 0.3900

Triad

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



22.6412, 0.2720, 0.4992



22.6412, 0.1699, 0.1799



22.6412, 0.5087, 0.3329

Complementary

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



22.6412, 0.2720, 0.4992



7.1013, 0.4913, 0.2480

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.



22.6412, 0.4361, 0.2677



22.6412, 0.2720, 0.4992



22.6412, 0.2309, 0.1842

Square

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



22.6412, 0.2720, 0.4992



22.6412, 0.1433, 0.2070



22.6412, 0.3268, 0.2151



22.6412, 0.5115, 0.4041

Rectangle

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



22.6412, 0.2720, 0.4992



22.6412, 0.1591, 0.3099



22.6412, 0.3268, 0.2151



22.6412, 0.4916, 0.3104

Sweetspot

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



22.6422, 0.2720, 0.4992



47.7731, 0.2889, 0.3715



23.7546, 0.3400, 0.5683



10.6880, 0.2862, 0.3778



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



22.6422, 0.2720, 0.4992



40.5109, 0.2729, 0.5025



24.2876, 0.2260, 0.3337



6.9742, 0.3052, 0.3404



19.2673, 0.2717, 0.4981



0.2954, 0.2505, 0.4217

Inverse Universe

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



7.1013, 0.4913, 0.2480



12.6802, 0.4954, 0.2503



6.5851, 0.6378, 0.3287



6.2719, 0.3209, 0.3179



6.0468, 0.4899, 0.2473



0.0977, 0.4047, 0.2003

Previews

White Background



This preview shows how the Yxy color 22.6412, 0.2720, 0.4992 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 22.6412, 0.2720, 0.4992 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 22.6412, 0.2720, 0.4992

Background



This preview shows how black text looks on a background with the Yxy color 22.6412, 0.2720, 0.4992.



This preview shows how white text looks on a background with the Yxy color 22.6412, 0.2720, 0.4992.

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

22.6412, 0.2720, 0.4992

Protanopia

22.3119, 0.3983, 0.4330

Deuteranopia

22.1926, 0.4049, 0.3970



Tritanopia

22.5786, 0.2336, 0.3057

Trichromacy



Original Color

22.6412, 0.2720, 0.4992



Protanomaly

20.9072, 0.3270, 0.4670



Deuteranomaly

20.3240, 0.3300, 0.4415



Tritanomaly

22.1248, 0.2447, 0.3711

Monochromacy



Original Color

22.6412, 0.2720, 0.4992



Achromatopsia

11.9538, 0.3127, 0.3290



Achromatomaly

14.4680, 0.2794, 0.3983

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6412, 0.2720, 0.4992 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, 151, 75)` looks like.

```
.text, #text, p{  
    color:rgb(0, 151, 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(0, 151, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 151, 75) }
```

Border

The CSS property to change the border of an element to Yxy 22.6412, 0.2720, 0.4992 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, 151, 75) }
```

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

```
.border{ border-color:rgb(0, 151, 75) }
```

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

Here you see how a box with a 4 pixel rgb(0, 151, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 151, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 151, 75);  
box-shadow:4px 4px 4px 4px rgb(0, 151, 75)  
}
```


Background

The CSS property to change the background color of an element to Yxy 22.6412, 0.2720, 0.4992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 151, 75) }
```

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

```
.background{ background-color: rgb(0, 151,  
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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