

Converting Colors

$Yxy(22.5784, 0.2721, 0.4922)$

Have a look what the booklet for
Yxy(22.5784, 0.2721, 0.4922)
contains.

Yxy(22.4197, 0.2722, 0.4927)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.4197, 0.2722, 0.4927)

Conversions

Conversions Part 1

Format	Color
Hex	0B964D
RGB	11, 150, 77
RGB Percent	4%, 59%, 30%
CMY	0.9561, 0.4118, 0.6980
CMYK	0.93, 0.00, 0.49, 0.41
HSL	148°, 86%, 32%
HSV	148°, 93%, 59%
XYZ	12.3861, 22.4197, 10.6979
YIQ	100.1170, -59.4110, -52.1710

Conversions

Conversions Part 2

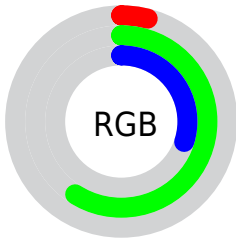
Format	Color
R_{YB}	11, 105, 150
Decimal	759373
CIE _{Lab}	54.47, -50.25, 29.21
CIE _{LCh}	54, 58.127, 149.831
Yxy	22.4197, 0.2722, 0.4927
Android (android.graphics.Color)	4278949453 (0xFF0B964D)
YUV	100.1170, -11.3967, -78.1556
Hunter-Lab	47.3494, -36.1678, 19.7489

Details

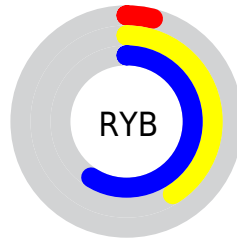
The Yxy color **22.4197, 0.2722, 0.4927** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **7.3706, 0.4650, 0.2395**, and the grayscale version is **12.8321, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.2697, 0.2838, 0.4519**, and **8.8291, 0.2855, 0.5477** is the 20% darker color. If you saturate the color by 10%, you get **22.2687, 0.2740, 0.5065**, and if you desaturate by 10%, it is **22.6886, 0.2707, 0.4734**.

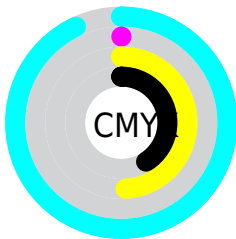
Distribution



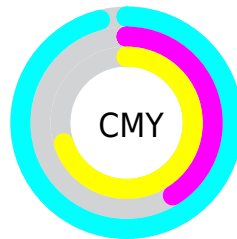
- Red (4%)
- Green (59%)
- Blue (30%)



- Red (4%)
- Yellow (41%)
- Blue (59%)



- Cyan (93%)
- Magenta (0%)
- Yellow (49%)
- Black (41%)





- Cyan (96%)
- Magenta (41%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4197, 0.2722, 0.4927 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 22.4197, 0.2722, 0.4927 by changing the saturation by 10% instead.


 22.4197, 0.2722,
0.4927

 22.4197, 0.2722,
0.4927


264.7303, 0.2988,
0.3942


 14.1656, 0.2623,
0.5247


 47.4387, 0.2839,
0.4519


 8.2359, 0.2468,
0.5710


 64.9724, 0.2877,
0.4382


 4.2463, 0.2203,
0.6424

 86.3681, 0.2906,
0.4272


 1.8123, 0.1403,
0.8597

 112.0102, 0.2929,
0.4182

 0.4948, 0.0000,
1.0000

 142.2830, 0.2948,
0.4107

 0.0000, 0.0000,
0.0000

 177.5711, 0.2963,

0.4043

218.2587, 0.2976,
0.3989

■ 22.4197, 0.2722,
0.4927

■ 22.4197, 0.2722,
0.4927

■ 22.2687, 0.2740,
0.5065

■ 22.6886, 0.2707,
0.4734

■ 23.0741, 0.2710,
0.4533

■ 23.5917, 0.2732,
0.4331

■ 24.2537, 0.2770,
0.4133

■ 25.0712, 0.2822,
0.3944

■ 26.0537, 0.2885,
0.3767

■ 27.2104, 0.2955,
0.3604

■ 28.5495, 0.3030,
0.3455

■ 30.0788, 0.3107,
0.3322

Harmonies

Analogous

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



22.4197, 0.3663, 0.5203



22.4197, 0.2722, 0.4927



22.4197, 0.1943, 0.3866

Triad

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



22.4197, 0.2722, 0.4927



22.4197, 0.1736, 0.1829



22.4197, 0.5042, 0.3346

Complementary

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



22.4197, 0.2722, 0.4927



7.3706, 0.4650, 0.2395

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.



22.4197, 0.4343, 0.2702



22.4197, 0.2722, 0.4927



22.4197, 0.2341, 0.1875

Square

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



22.4197, 0.2722, 0.4927



22.4197, 0.1469, 0.2093



22.4197, 0.3283, 0.2182



22.4197, 0.5065, 0.4046

Rectangle

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



22.4197, 0.2722, 0.4927



22.4197, 0.1621, 0.3092



22.4197, 0.3283, 0.2182



22.4197, 0.4878, 0.3123

Sweetspot

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



22.4206, 0.2722, 0.4927



46.7562, 0.2912, 0.3700



23.7785, 0.3455, 0.5575



10.1923, 0.2885, 0.3766



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.



22.4206, 0.2722, 0.4927



39.2655, 0.2750, 0.5099



23.9404, 0.2285, 0.3380



6.5115, 0.3056, 0.3409



18.4761, 0.2737, 0.5052



0.2320, 0.2514, 0.4252

Inverse Universe

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



7.3706, 0.4650, 0.2395



12.4003, 0.4857, 0.2449



6.7646, 0.6188, 0.3273



5.8633, 0.3205, 0.3174



5.8509, 0.4803, 0.2419



0.0776, 0.3973, 0.1962

Previews

White Background



This preview shows how the Yxy color 22.4197, 0.2722, 0.4927 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 22.4197, 0.2722, 0.4927 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 22.4197, 0.2722, 0.4927

Background



This preview shows how black text looks on a background with the Yxy color 22.4197, 0.2722, 0.4927.



This preview shows how white text looks on a background with the Yxy color 22.4197, 0.2722, 0.4927.

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

22.4197, 0.2722, 0.4927

Protanopia

22.2471, 0.3951, 0.4305

Deuteranopia

22.1233, 0.4013, 0.3943



Tritanopia

22.5455, 0.2342, 0.3076

Trichromacy



Original Color

22.4197, 0.2722, 0.4927



Protanomaly

20.8053, 0.3289, 0.4602



Deuteranomaly

20.2527, 0.3319, 0.4346



Tritanomaly

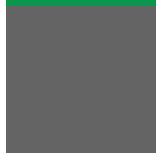
22.2029, 0.2463, 0.3709

Monochromacy



Original Color

22.4197, 0.2722, 0.4927



Achromatopsia

12.7438, 0.3127, 0.3290



Achromatomaly

14.9585, 0.2826, 0.3916

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4197, 0.2722, 0.4927 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(11, 150, 77)` looks like.

```
.text, #text, p{  
    color:rgb(11, 150, 77)  
}
```

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(11, 150, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 150, 77) }
```

Border

The CSS property to change the border of an element to Yxy 22.4197, 0.2722, 0.4927 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(11, 150, 77) }
```

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

```
.border{ border-color:rgb(11, 150, 77) }
```

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

Here you see how a box with a 4 pixel rgb(11, 150, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 150, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 150, 77);  
box-shadow:4px 4px 4px 4px rgb(11, 150,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4197, 0.2722, 0.4927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 150, 77) }
```

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

```
.background{ background-color: rgb(11, 150,  
77) }
```

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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