

Converting Colors

$Yxy(22.1894, 0.2552, 0.4362)$

Have a look what the booklet for
Yxy(22.1894, 0.2552, 0.4362)
contains.

Yxy(22.1257, 0.2552, 0.4363)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.1257, 0.2552, 0.4363)

Conversions

Conversions Part 1

Format	Color
Hex	049464
RGB	4, 148, 100
RGB Percent	2%, 58%, 39%
CMY	0.9836, 0.4196, 0.6078
CMYK	0.97, 0.00, 0.32, 0.42
HSL	160°, 95%, 30%
HSV	160°, 97%, 58%
XYZ	12.9417, 22.1257, 15.6447
YIQ	99.4720, -70.4160, -45.4560

Conversions

Conversions Part 2

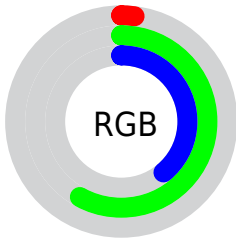
Format	Color
RYB	4, 90, 148
Decimal	300132
CIELab	54.16, -45.18, 16.21
CIELCh	54, 48.005, 160.261
Yxy	22.1257, 0.2552, 0.4363
Android (android.graphics.Color)	4278490212 (0xFF049464)
YUV	99.4720, 0.2603, -83.7289
Hunter-Lab	47.0380, -33.2051, 13.2069

Details

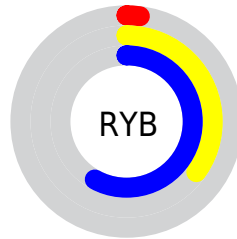
The Yxy color **22.1257, 0.2552, 0.4363** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **6.6361, 0.5507, 0.2837**, and the grayscale version is **12.6297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9247, 0.2690, 0.4101**, and **8.6228, 0.2648, 0.4731** is the 20% darker color. If you saturate the color by 10%, you get **22.0728, 0.2555, 0.4398**, and if you desaturate by 10%, it is **22.3364, 0.2544, 0.4239**.

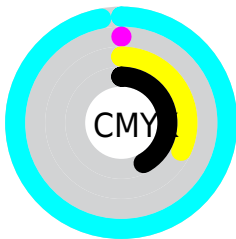
Distribution



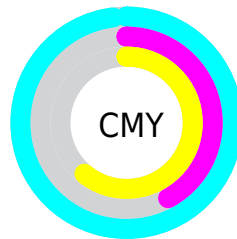
- Red (2%)
- Green (58%)
- Blue (39%)



- Red (2%)
- Yellow (35%)
- Blue (58%)



- Cyan (97%)
- Magenta (0%)
- Yellow (32%)
- Black (42%)





- Cyan (98%)
- Magenta (42%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1257, 0.2552, 0.4363 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 22.1257, 0.2552, 0.4363 by changing the saturation by 10% instead.


 22.1257, 0.2552,
0.4363


 22.1257, 0.2552,
0.4363


263.2020, 0.2891,
0.3726


 13.9493, 0.2445,
0.4568


 46.9537, 0.2690,
0.4101

 8.0854, 0.2290,
0.4867


 64.3740, 0.2737,
0.4012

 4.1496, 0.2048,
0.5340

 85.6445, 0.2775,
0.3941

 1.7576, 0.1424,
0.6467

 111.1494, 0.2806,
0.3883

 0.4606, 0.0000,
1.0000

 141.2732, 0.2833,
0.3834

 0.0000, 0.0000,
0.0000

 176.4003, 0.2855,

0.3792

216.9151, 0.2874,
0.3757

■ 22.1257, 0.2552,
0.4363

■ 22.1257, 0.2552,
0.4363

■ 22.0728, 0.2555,
0.4398

■ 22.3364, 0.2544,
0.4239

■ 22.6390, 0.2553,
0.4114

■ 23.0557, 0.2581,
0.3989

■ 23.5990, 0.2628,
0.3866

■ 24.2798, 0.2691,
0.3748

■ 25.1076, 0.2767,
0.3636

■ 26.0913, 0.2855,
0.3532

■ 27.2388, 0.2951,
0.3436

■ 28.5576, 0.3052,
0.3348

Harmonies

Analogous

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



22.1257, 0.3341, 0.4864



22.1257, 0.2552, 0.4363



22.1257, 0.1964, 0.3439

Triad

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



22.1257, 0.2552, 0.4363



22.1257, 0.2083, 0.2016



22.1257, 0.4806, 0.3588

Complementary

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



22.1257, 0.2552, 0.4363



6.6361, 0.5507, 0.2837

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.



22.1257, 0.4395, 0.2991



22.1257, 0.2552, 0.4363



22.1257, 0.2721, 0.2136

Square

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



22.1257, 0.2552, 0.4363



22.1257, 0.1741, 0.2161



22.1257, 0.3580, 0.2481



22.1257, 0.4672, 0.4203

Rectangle

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



22.1257, 0.2552, 0.4363



22.1257, 0.1749, 0.2864



22.1257, 0.3580, 0.2481



22.1257, 0.4729, 0.3384

Sweetspot

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



22.1266, 0.2552, 0.4363



45.5943, 0.2833, 0.3556



21.9873, 0.3211, 0.5806



10.2523, 0.2799, 0.3597



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.



22.1266, 0.2552, 0.4363



38.9140, 0.2562, 0.4422



17.1961, 0.2125, 0.2830



6.5297, 0.3031, 0.3365



18.8592, 0.2553, 0.4391



0.2363, 0.2397, 0.3829

Inverse Universe

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



6.6361, 0.5507, 0.2837



11.4770, 0.5645, 0.2883



7.0329, 0.6162, 0.3440



5.8454, 0.3233, 0.3216



5.5746, 0.5579, 0.2847



0.0733, 0.4519, 0.2263

Previews

White Background



This preview shows how the Yxy color 22.1257, 0.2552, 0.4363 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 22.1257, 0.2552, 0.4363 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 22.1257, 0.2552, 0.4363

Background



This preview shows how black text looks on a background with the Yxy color 22.1257, 0.2552, 0.4363.



This preview shows how white text looks on a background with the Yxy color 22.1257, 0.2552, 0.4363.

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

22.1257, 0.2552, 0.4363

Protanopia

21.9448, 0.3680, 0.3962

Deuteranopia

21.8248, 0.3668, 0.3614



Tritanopia

22.0535, 0.2304, 0.3054

Trichromacy



Original Color

22.1257, 0.2552, 0.4363



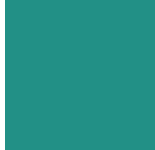
Protanomaly

20.5901, 0.3045, 0.4168



Deuteranomaly

20.2411, 0.3022, 0.3906



Tritanomaly

22.0078, 0.2372, 0.3496

Monochromacy



Original Color

22.1257, 0.2552, 0.4363



Achromatopsia

12.7438, 0.3127, 0.3290



Achromatomaly

14.7665, 0.2714, 0.3697

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1257, 0.2552, 0.4363 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(4, 148, 100)` looks like.

```
.text, #text, p{  
    color:rgb(4, 148, 100)  
}
```

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(4, 148, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 148, 100) }
```

Border

The CSS property to change the border of an element to Yxy 22.1257, 0.2552, 0.4363 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(4, 148, 100) }
```

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

```
.border{ border-color:rgb(4, 148, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 148, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 148, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 148, 100);  
box-shadow:4px 4px 4px 4px rgb(4, 148,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1257, 0.2552, 0.4363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 148, 100) }
```

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

```
.background{ background-color: rgb(4, 148,  
100) }
```

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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