

Converting Colors

$Yxy(21.1835, 0.2169, 0.4472)$

Have a look what the booklet for
Yxy(21.1835, 0.2169, 0.4472)
contains.

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Color

Yxy(22.7523, 0.2548, 0.4374)

Conversions

Conversions Part 1

Format	Color
Hex	009665
RGB	0, 150, 101
RGB Percent	0%, 59%, 40%
CMY	1.0000, 0.4117, 0.6038
CMYK	1.00, 0.00, 0.33, 0.41
HSL	160°, 100%, 29%
HSV	160°, 100%, 59%
XYZ	13.2540, 22.7523, 16.0109
YIQ	99.5640, -73.6710, -47.0390

Conversions

Conversions Part 2

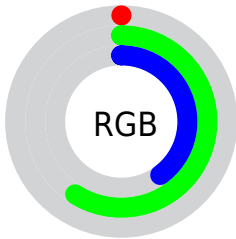
Format	Color
RYB	0, 90, 150
Decimal	38501
CIELab	54.82, -45.96, 16.53
CIELCh	55, 48.844, 160.215
Yxy	22.7523, 0.2548, 0.4374
Android (android.graphics.Color)	4278228581 (0xFF009665)
YUV	99.5640, 0.7079, -87.3176
Hunter-Lab	47.6994, -33.8751, 13.4881

Details

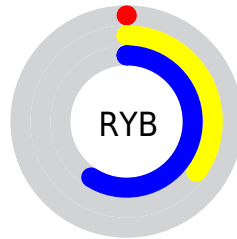
The Yxy color **22.7523, 0.2548, 0.4374** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **6.7062, 0.5626, 0.2873**, and the grayscale version is **12.6411, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.9081, 0.2689, 0.4111**, and **9.0017, 0.2650, 0.4738** is the 20% darker color. If you saturate the color by 10%, you get **22.7547, 0.2548, 0.4374**, and if you desaturate by 10%, it is **22.9552, 0.2538, 0.4253**.

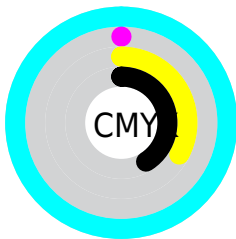
Distribution



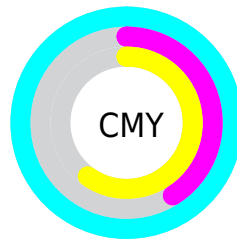
- Red (0%)
- Green (59%)
- Blue (40%)



- Red (0%)
- Yellow (35%)
- Blue (59%)



- Cyan (100%)
- Magenta (0%)
- Yellow (33%)
- Black (41%)




- Cyan (100%)
- Magenta (41%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.7523, 0.2548, 0.4374 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 22.7523, 0.2548, 0.4374 by changing the saturation by 10% instead.


 22.7523, 0.2548,
0.4374


 22.7523, 0.2548,
0.4374


266.4502, 0.2888,
0.3733


 14.4107, 0.2441,
0.4579


 47.9863, 0.2686,
0.4111


 8.4069, 0.2287,
0.4877


 65.6475, 0.2734,
0.4022


 4.3564, 0.2048,
0.5345

 87.1840, 0.2772,
0.3950

 1.8749, 0.1486,
0.6373

 112.9802, 0.2803,
0.3891

 0.5332, 0.0000,
1.0000

 143.4206, 0.2829,
0.3842

 0.0000, 0.0000,
0.0000

 178.8894, 0.2852,

0.3800

219.7711, 0.2871,
0.3764

■ 22.7523, 0.2548,
0.4374

■ 22.7523, 0.2548,
0.4374

■ 22.7547, 0.2548,
0.4374

■ 22.9552, 0.2538,
0.4253

■ 23.2344, 0.2542,
0.4130

■ 23.6270, 0.2566,
0.4008

■ 24.1465, 0.2608,
0.3887

■ 24.8045, 0.2667,
0.3770

■ 25.6113, 0.2741,
0.3659

■ 26.5762, 0.2826,
0.3555

■ 27.7077, 0.2921,
0.3458

■ 29.0136, 0.3022,
0.3370

Harmonies

Analogous

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



22.7523, 0.3343, 0.4878



22.7523, 0.2548, 0.4374



22.7523, 0.1956, 0.3441

Triad

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



22.7523, 0.2548, 0.4374



22.7523, 0.2075, 0.2008



22.7523, 0.4819, 0.3587

Complementary

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



22.7523, 0.2548, 0.4374



6.7062, 0.5626, 0.2873

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.



22.7523, 0.4404, 0.2988



22.7523, 0.2548, 0.4374



22.7523, 0.2717, 0.2128

Square

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



22.7523, 0.2548, 0.4374



22.7523, 0.1732, 0.2154



22.7523, 0.3582, 0.2474



22.7523, 0.4683, 0.4206

Rectangle

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



22.7523, 0.2548, 0.4374



22.7523, 0.1740, 0.2860



22.7523, 0.3582, 0.2474



22.7523, 0.4741, 0.3382

Sweetspot

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



22.7547, 0.2548, 0.4374



46.7883, 0.2821, 0.3561



22.4928, 0.3182, 0.5856



10.2196, 0.2787, 0.3600



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.



22.7547, 0.2548, 0.4374



40.1203, 0.2555, 0.4397



16.8707, 0.2100, 0.2759



6.5303, 0.3031, 0.3363



18.8766, 0.2546, 0.4365



0.2365, 0.2393, 0.3815

Inverse Universe

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



6.7062, 0.5626, 0.2873



11.8049, 0.5674, 0.2900



7.1799, 0.6211, 0.3450



5.8448, 0.3234, 0.3218



5.5669, 0.5606, 0.2862



0.0731, 0.4544, 0.2277

Previews

White Background



This preview shows how the Yxy color 22.7523, 0.2548, 0.4374 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 22.7523, 0.2548, 0.4374 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 22.7523, 0.2548, 0.4374

Background



This preview shows how black text looks on a background with the Yxy color 22.7523, 0.2548, 0.4374.



This preview shows how white text looks on a background with the Yxy color 22.7523, 0.2548, 0.4374.

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

22.7523, 0.2548, 0.4374

Protanopia

22.4007, 0.3689, 0.3954

Deuteranopia

22.3081, 0.3665, 0.3594



Tritanopia

22.7415, 0.2306, 0.3057

Trichromacy



Original Color

22.7523, 0.2548, 0.4374



Protanomaly

20.8912, 0.3035, 0.4164



Deuteranomaly

20.5569, 0.3003, 0.3882



Tritanomaly

22.6304, 0.2373, 0.3514

Monochromacy



Original Color

22.7523, 0.2548, 0.4374



Achromatopsia

12.7438, 0.3127, 0.3290



Achromatomaly

14.9670, 0.2708, 0.3720

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7523, 0.2548, 0.4374 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, 150, 101)` looks like.

```
.text, #text, p{  
  color:rgb(0, 150, 101)  
}
```

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, 150, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 101) }
```

Border

The CSS property to change the border of an element to Yxy 22.7523, 0.2548, 0.4374 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, 150, 101) }
```

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

```
.border{ border-color:rgb(0, 150, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 150, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 101);  
box-shadow:4px 4px 4px 4px rgb(0, 150,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7523, 0.2548, 0.4374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 150, 101) }
```

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

```
.background{ background-color: rgb(0, 150,  
101) }
```

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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