

Converting Colors

$Yxy(22.6743, 0.2683, 0.4785)$

Have a look what the booklet for
Yxy(22.6743, 0.2683, 0.4785)
contains.

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Color

Yxy(22.5309, 0.2679, 0.4768)

Conversions

Conversions Part 1

Format	Color
Hex	0C9654
RGB	12, 150, 84
RGB Percent	5%, 59%, 33%
CMY	0.9521, 0.4118, 0.6707
CMYK	0.92, 0.00, 0.44, 0.41
HSL	151°, 85%, 32%
HSV	151°, 92%, 59%
XYZ	12.6595, 22.5309, 12.0640
YIQ	101.2140, -61.0620, -49.7820

Conversions

Conversions Part 2

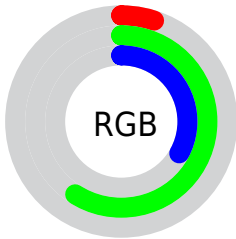
Format	Color
RYB	12, 103, 150
Decimal	824916
CIELab	54.59, -48.90, 25.64
CIELCh	55, 55.217, 152.332
Yxy	22.5309, 0.2679, 0.4768
Android (android.graphics.Color)	4279014996 (0xFF0C9654)
YUV	101.2140, -8.4865, -78.2407
Hunter-Lab	47.4667, -35.4605, 18.1577

Details

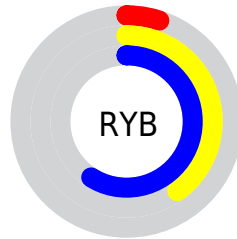
The Yxy color **22.5309, 0.2679, 0.4768** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **7.3052, 0.4808, 0.2492**, and the grayscale version is **13.1220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.4586, 0.2799, 0.4405**, and **8.8689, 0.2801, 0.5284** is the 20% darker color. If you saturate the color by 10%, you get **22.3644, 0.2697, 0.4910**, and if you desaturate by 10%, it is **22.8064, 0.2668, 0.4589**.

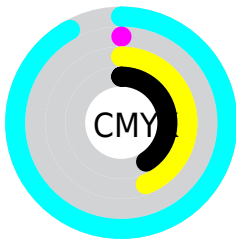
Distribution



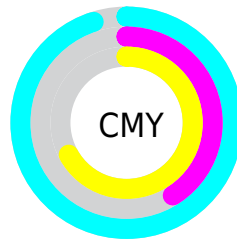
- Red (5%)
- Green (59%)
- Blue (33%)



- Red (5%)
- Yellow (40%)
- Blue (59%)



- Cyan (92%)
- Magenta (0%)
- Yellow (44%)
- Black (41%)





- Cyan (95%)
- Magenta (41%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.5309, 0.2679, 0.4768 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 22.5309, 0.2679, 0.4768 by changing the saturation by 10% instead.


 22.5309, 0.2679,
0.4768


 22.5309, 0.2679,
0.4768


265.3064, 0.2961,
0.3881


 14.2475, 0.2580,
0.5056


 47.6219, 0.2800,
0.4401

 8.2930, 0.2429,
0.5474


 65.1983, 0.2840,
0.4278

 4.2830, 0.2177,
0.6126

 86.6412, 0.2871,
0.4179

 1.8331, 0.1568,
0.8432

 112.3349, 0.2896,
0.4098

 0.5077, 0.0000,
1.0000

 142.6639, 0.2916,
0.4030

 0.0000, 0.0000,
0.0000

 178.0126, 0.2934,

0.3973

218.7652, 0.2948,
0.3924

■ 22.5309, 0.2679,
0.4768

■ 22.5309, 0.2679,
0.4768

■ 22.3644, 0.2697,
0.4910

■ 22.8064, 0.2668,
0.4589

■ 23.1975, 0.2676,
0.4405

■ 23.7193, 0.2702,
0.4221

■ 24.3840, 0.2745,
0.4043

■ 25.2024, 0.2802,
0.3872

■ 26.1840, 0.2871,
0.3712

■ 27.3376, 0.2947,
0.3565

■ 28.6715, 0.3028,
0.3432

■ 30.1933, 0.3111,
0.3311

Harmonies

Analogous

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



22.5309, 0.3579, 0.5115



22.5309, 0.2679, 0.4768



22.5309, 0.1952, 0.3743

Triad

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



22.5309, 0.2679, 0.4768



22.5309, 0.1828, 0.1882



22.5309, 0.4975, 0.3412

Complementary

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



22.5309, 0.2679, 0.4768



7.3052, 0.4808, 0.2492

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.



22.5309, 0.4357, 0.2780



22.5309, 0.2679, 0.4768



22.5309, 0.2443, 0.1946

Square

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



22.5309, 0.2679, 0.4768



22.5309, 0.1543, 0.2114



22.5309, 0.3364, 0.2263



22.5309, 0.4956, 0.4091

Rectangle

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



22.5309, 0.2679, 0.4768



22.5309, 0.1658, 0.3028



22.5309, 0.3364, 0.2263



22.5309, 0.4835, 0.3194

Sweetspot

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



22.5318, 0.2679, 0.4768



46.8495, 0.2895, 0.3662



23.4934, 0.3391, 0.5618



10.2152, 0.2866, 0.3722



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.



22.5318, 0.2679, 0.4768



39.4331, 0.2706, 0.4942



23.3683, 0.2248, 0.3242



6.5159, 0.3050, 0.3398



18.5553, 0.2694, 0.4897



0.2331, 0.2483, 0.4139

Inverse Universe

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



7.3052, 0.4808, 0.2492



12.2307, 0.5055, 0.2558



6.8387, 0.6204, 0.3312



5.8589, 0.3212, 0.3184



5.7708, 0.4996, 0.2526



0.0765, 0.4087, 0.2025

Previews

White Background



This preview shows how the Yxy color 22.5309, 0.2679, 0.4768 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 22.5309, 0.2679, 0.4768 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 22.5309, 0.2679, 0.4768

Background



This preview shows how black text looks on a background with the Yxy color 22.5309, 0.2679, 0.4768.



This preview shows how white text looks on a background with the Yxy color 22.5309, 0.2679, 0.4768.

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

22.5309, 0.2679, 0.4768

Protanopia

22.2378, 0.3877, 0.4217

Deuteranopia

22.1221, 0.3929, 0.3851



Tritanopia

22.5490, 0.2331, 0.3057

Trichromacy



Original Color

22.5309, 0.2679, 0.4768



Protanomaly

20.8887, 0.3235, 0.4483



Deuteranomaly

20.3632, 0.3250, 0.4204



Tritanomaly

22.3072, 0.2436, 0.3622

Monochromacy



Original Color

22.5309, 0.2679, 0.4768



Achromatopsia

13.0136, 0.3127, 0.3290



Achromatomaly

15.2851, 0.2808, 0.3861

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5309, 0.2679, 0.4768 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(12, 150, 84)` looks like.

```
.text, #text, p{  
    color:rgb(12, 150, 84)  
}
```

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(12, 150, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 150, 84) }
```

Border

The CSS property to change the border of an element to Yxy 22.5309, 0.2679, 0.4768 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(12, 150, 84) }
```

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

```
.border{ border-color:rgb(12, 150, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 150, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 150, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 150, 84);  
box-shadow:4px 4px 4px 4px rgb(12, 150,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5309, 0.2679, 0.4768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 150, 84) }
```

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

```
.background{ background-color: rgb(12, 150,  
84) }
```

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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