

Converting Colors

$Yxy(21.9744, 0.2771, 0.4534)$

Have a look what the booklet for
Yxy(21.9744, 0.2771, 0.4534)
contains.

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Color

Yxy(21.9571, 0.2772, 0.4542)

Conversions

Conversions Part 1

Format	Color
Hex	329259
RGB	50, 146, 89
RGB Percent	20%, 57%, 35%
CMY	0.8036, 0.4275, 0.6509
CMYK	0.66, 0.00, 0.39, 0.43
HSL	144°, 49%, 38%
HSV	144°, 66%, 57%
XYZ	13.4005, 21.9571, 12.9848
YIQ	110.7980, -38.9190, -38.0790

Conversions

Conversions Part 2

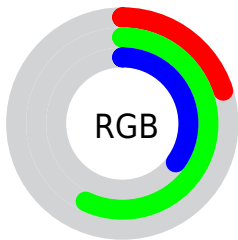
Format	Color
RYB	50, 118, 146
Decimal	3314265
CIELab	53.98, -41.41, 22.21
CIELCh	54, 46.992, 151.789
Yxy	21.9571, 0.2772, 0.4542
Android (android.graphics.Color)	4281504345 (0xFF329259)
YUV	110.7980, -10.7464, -53.3198
Hunter-Lab	46.8584, -30.9550, 16.3713

Details

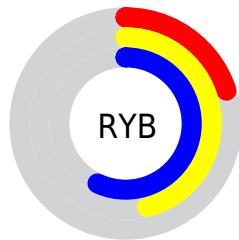
The Yxy color **21.9571, 0.2772, 0.4542** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **9.4614, 0.3909, 0.2363**, and the grayscale version is **15.8815, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.7925, 0.2863, 0.4229**, and **8.1726, 0.2741, 0.5067** is the 20% darker color. If you saturate the color by 10%, you get **21.5064, 0.2760, 0.4768**, and if you desaturate by 10%, it is **22.5452, 0.2800, 0.4317**.

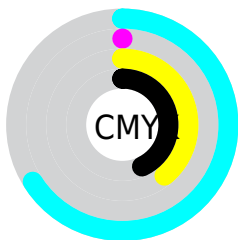
Distribution



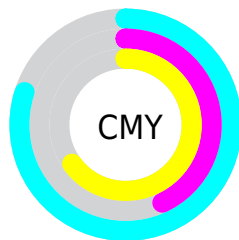
- Red (20%)
- Green (57%)
- Blue (35%)



- Red (20%)
- Yellow (46%)
- Blue (57%)



- Cyan (66%)
- Magenta (0%)
- Yellow (39%)
- Black (43%)





- Cyan (80%)
- Magenta (43%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9571, 0.2772, 0.4542 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 21.9571, 0.2772, 0.4542 by changing the saturation by 10% instead.


 21.9571, 0.2772,
0.4542


 21.9571, 0.2772,
0.4542


262.3222, 0.2995,
0.3794


 13.8254, 0.2694,
0.4784


 46.6751, 0.2867,
0.4233

 7.9993, 0.2574,
0.5138


 64.0301, 0.2899,
0.4129


 4.0945, 0.2374,
0.5696

 85.2284, 0.2923,
0.4046

 1.7266, 0.1985,
0.7445

 110.6543, 0.2943,
0.3977

 0.4408, 0.0000,
1.0000

 140.6923, 0.2959,
0.3920

 0.0000, 0.0000,
0.0000

 175.7266, 0.2973,

0.3872

216.1418, 0.2985,
0.3830

■ 21.9571, 0.2772,
0.4542

■ 21.9571, 0.2772,
0.4542

■ 21.5064, 0.2760,
0.4768

■ 22.5452, 0.2800,
0.4317

■ 21.1780, 0.2766,
0.4987

■ 23.2787, 0.2843,
0.4098

■ 20.9557, 0.2788,
0.5192

■ 24.1682, 0.2895,
0.3892

■ 20.8749, 0.2799,
0.5276

■ 25.2224, 0.2956,
0.3702

■ 26.4494, 0.3021,
0.3528

■ 27.8568, 0.3088,
0.3371

■ 29.4517, 0.3156,
0.3232

■ 31.2408, 0.3224,
0.3109

■ 33.2305, 0.3289,
0.3001

Harmonies

Analogous

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



21.9571, 0.3567, 0.4852



21.9571, 0.2772, 0.4542



21.9571, 0.2118, 0.3702

Triad

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



21.9571, 0.2772, 0.4542



21.9571, 0.1975, 0.2047



21.9571, 0.4716, 0.3416

Complementary

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



21.9571, 0.2772, 0.4542



9.4614, 0.3909, 0.2363

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.



21.9571, 0.4172, 0.2844



21.9571, 0.2772, 0.4542



21.9571, 0.2524, 0.2096

Square

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



21.9571, 0.2772, 0.4542



21.9571, 0.1719, 0.2276



21.9571, 0.3324, 0.2378



21.9571, 0.4734, 0.4024

Rectangle

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



21.9571, 0.2772, 0.4542



21.9571, 0.1843, 0.3098



21.9571, 0.3324, 0.2378



21.9571, 0.4588, 0.3218

Sweetspot

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



21.9580, 0.2772, 0.4542



45.6051, 0.2990, 0.3607



23.9524, 0.3563, 0.5021



10.0268, 0.2974, 0.3651



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



21.9580, 0.2772, 0.4542



37.6326, 0.2760, 0.4877



23.0257, 0.2430, 0.3482



6.5051, 0.3064, 0.3424



18.3754, 0.2796, 0.5266



0.2305, 0.2564, 0.4431

Inverse Universe

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



9.4614, 0.3909, 0.2363



13.8367, 0.4177, 0.2260



8.7213, 0.4982, 0.3147



5.8697, 0.3195, 0.3159



5.9840, 0.4525, 0.2267



0.0791, 0.3823, 0.1880

Previews

White Background



This preview shows how the Yxy color 21.9571, 0.2772, 0.4542 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 21.9571, 0.2772, 0.4542 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 21.9571, 0.2772, 0.4542

Background



This preview shows how black text looks on a background with the Yxy color 21.9571, 0.2772, 0.4542.



This preview shows how white text looks on a background with the Yxy color 21.9571, 0.2772, 0.4542.

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

21.9571, 0.2772, 0.4542

Protanopia

21.6230, 0.3800, 0.4097

Deuteranopia

21.6495, 0.3848, 0.3778



Tritanopia

21.9693, 0.2417, 0.3076

Trichromacy



Original Color

21.9571, 0.2772, 0.4542

Protanomaly

21.1096, 0.3321, 0.4283

Deuteranomaly

20.6501, 0.3358, 0.4051

Tritanomaly

21.9613, 0.2543, 0.3576

Monochromacy



Original Color

21.9571, 0.2772, 0.4542

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

17.5184, 0.2945, 0.3745

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9571, 0.2772, 0.4542 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(50, 146, 89)` looks like.

```
.text, #text, p{  
    color:rgb(50, 146, 89)  
}
```

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(50, 146, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 146, 89) }
```

Border

The CSS property to change the border of an element to Yxy 21.9571, 0.2772, 0.4542 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(50, 146, 89) }
```

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

```
.border{ border-color:rgb(50, 146, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 146, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 146, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 146, 89);  
box-shadow:4px 4px 4px 4px rgb(50, 146,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9571, 0.2772, 0.4542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 146, 89) }
```

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

```
.background{ background-color: rgb(50, 146,  
89) }
```

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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