

Converting Colors

$Yxy(21.6686, 0.2750, 0.4989)$

Have a look what the booklet for
Yxy(21.6686, 0.2750, 0.4989)
contains.

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Color

$\text{Yxy}(21.7710, 0.2751, 0.4988)$

Conversions

Conversions Part 1

Format	Color
Hex	109449
RGB	16, 148, 73
RGB Percent	6%, 58%, 29%
CMY	0.9367, 0.4196, 0.7138
CMYK	0.89, 0.00, 0.51, 0.42
HSL	146°, 80%, 32%
HSV	146°, 89%, 58%
XYZ	12.0072, 21.7710, 9.8685
YIQ	99.9820, -54.5970, -51.3090

Conversions

Conversions Part 2

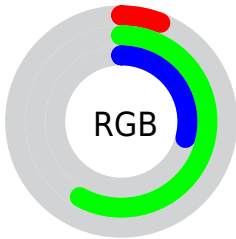
Format	Color
R_{YB}	16, 108, 148
Decimal	1086537
CIE _{Lab}	53.78, -49.91, 30.48
CIE _{LCh}	54, 58.477, 148.588
Yxy	21.7710, 0.2751, 0.4988
Android (android.graphics.Color)	4279276617 (0xFF109449)
YUV	99.9820, -13.3021, -73.6522
Hunter-Lab	46.6594, -35.7192, 20.1217

Details

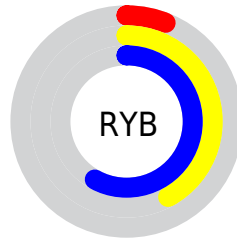
The Yxy color **21.7710, 0.2751, 0.4988** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **7.4285, 0.4421, 0.2297**, and the grayscale version is **12.7943, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.2658, 0.2863, 0.4560**, and **8.4403, 0.2877, 0.5558** is the 20% darker color. If you saturate the color by 10%, you get **21.5649, 0.2776, 0.5184**, and if you desaturate by 10%, it is **22.0702, 0.2740, 0.4779**.

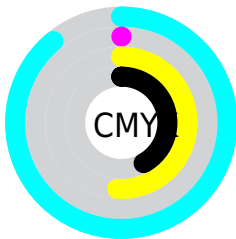
Distribution



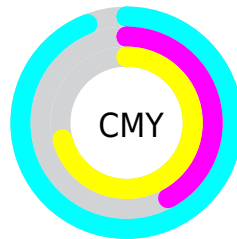
- Red (6%)
- Green (58%)
- Blue (29%)



- Red (6%)
- Yellow (42%)
- Blue (58%)



- Cyan (89%)
- Magenta (0%)
- Yellow (51%)
- Black (42%)





- Cyan (94%)
- Magenta (42%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7710, 0.2751, 0.4988 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 21.7710, 0.2751, 0.4988 by changing the saturation by 10% instead.


 21.7710, 0.2751,
0.4988


 21.7710, 0.2751,
0.4988


261.3480, 0.3004,
0.3961


 13.6887, 0.2652,
0.5323


 46.3672, 0.2865,
0.4562


 7.9045, 0.2495,
0.5808


 63.6500, 0.2901,
0.4419


 4.0339, 0.2227,
0.6574

 84.7683, 0.2928,
0.4304

 1.6925, 0.1205,
0.8795

 110.1067, 0.2950,
0.4210

 0.4188, 0.0000,
1.0000

 140.0494, 0.2968,
0.4132

 0.0000, 0.0000,
0.0000

 174.9810, 0.2982,

0.4067

215.2857, 0.2994,
0.4010

■ 21.7710, 0.2751,
0.4988

■ 21.7710, 0.2751,
0.4988

■ 21.5649, 0.2776,
0.5184

■ 22.0702, 0.2740,
0.4779

■ 21.5477, 0.2778,
0.5201

■ 22.4896, 0.2747,
0.4563

■ 23.0436, 0.2772,
0.4345

■ 23.7436, 0.2812,
0.4133

■ 24.5999, 0.2864,
0.3932

■ 25.6217, 0.2925,
0.3744

■ 26.8177, 0.2992,
0.3572

■ 28.1957, 0.3062,
0.3417

■ 29.7632, 0.3134,
0.3278

Harmonies

Analogous

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



21.7710, 0.3705, 0.5224



21.7710, 0.2751, 0.4988



21.7710, 0.1951, 0.3926

Triad

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



21.7710, 0.2751, 0.4988



21.7710, 0.1701, 0.1815



21.7710, 0.5055, 0.3314

Complementary

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



21.7710, 0.2751, 0.4988



7.4285, 0.4421, 0.2297

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.



21.7710, 0.4321, 0.2668



21.7710, 0.2751, 0.4988



21.7710, 0.2297, 0.1851

Square

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



21.7710, 0.2751, 0.4988



21.7710, 0.1445, 0.2095



21.7710, 0.3240, 0.2151



21.7710, 0.5103, 0.4020

Rectangle

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



21.7710, 0.2751, 0.4988



21.7710, 0.1616, 0.3132



21.7710, 0.3240, 0.2151



21.7710, 0.4879, 0.3090

Sweetspot

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



21.7719, 0.2751, 0.4988



45.5167, 0.2935, 0.3716



23.5477, 0.3537, 0.5477



10.2537, 0.2915, 0.3771



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.



21.7719, 0.2751, 0.4988



37.9867, 0.2788, 0.5236



23.0976, 0.2331, 0.3513



6.5075, 0.3061, 0.3419



18.4105, 0.2775, 0.5190



0.2311, 0.2545, 0.4363

Inverse Universe

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



7.4285, 0.4421, 0.2297



12.2088, 0.4673, 0.2348



6.7502, 0.5990, 0.3209



5.8673, 0.3199, 0.3165



5.9327, 0.4627, 0.2322



0.0785, 0.3876, 0.1909

Previews

White Background



This preview shows how the Yxy color 21.7710, 0.2751, 0.4988 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 21.7710, 0.2751, 0.4988 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 21.7710, 0.2751, 0.4988

Background



This preview shows how black text looks on a background with the Yxy color 21.7710, 0.2751, 0.4988.



This preview shows how white text looks on a background with the Yxy color 21.7710, 0.2751, 0.4988.

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

21.7710, 0.2751, 0.4988

Protanopia

21.4944, 0.3981, 0.4347

Deuteranopia

21.3683, 0.4050, 0.3981



Tritanopia

21.5991, 0.2342, 0.3053

Trichromacy



Original Color

21.7710, 0.2751, 0.4988



Protanomaly

20.2444, 0.3342, 0.4646



Deuteranomaly

19.7115, 0.3377, 0.4390



Tritanomaly

21.2897, 0.2472, 0.3694

Monochromacy



Original Color

21.7710, 0.2751, 0.4988



Achromatopsia

12.7438, 0.3127, 0.3290



Achromatomaly

14.7629, 0.2866, 0.3942

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7710, 0.2751, 0.4988 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(16, 148, 73)` looks like.

```
.text, #text, p{  
    color:rgb(16, 148, 73)  
}
```

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(16, 148, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 148, 73) }
```

Border

The CSS property to change the border of an element to Yxy 21.7710, 0.2751, 0.4988 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(16, 148, 73) }
```

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

```
.border{ border-color:rgb(16, 148, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 148, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 148, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 148, 73);  
box-shadow:4px 4px 4px 4px rgb(16, 148,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7710, 0.2751, 0.4988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 148, 73) }
```

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

```
.background{ background-color: rgb(16, 148,  
73) }
```

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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