

Converting Colors

$Y_{xy}(21.6743, 0.4188, 0.4159)$

Have a look what the booklet for
Yxy(21.6743, 0.4188, 0.4159)
contains.

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Color

Yxy(21.6635, 0.4190, 0.4151)

Conversions

Conversions Part 1

Format	Color
Hex	9C7B45
RGB	156, 123, 69
RGB Percent	61%, 48%, 27%
CMY	0.3882, 0.5176, 0.7294
CMYK	0.00, 0.21, 0.56, 0.39
HSL	37°, 39%, 44%
HSV	37°, 56%, 61%
XYZ	21.8670, 21.6635, 8.6581
YIQ	126.7110, 37.0020, -9.7980

Conversions

Conversions Part 2

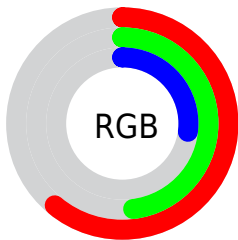
Format	Color
R_{YB}	122, 156, 69
Decimal	10255173
CIE _{Lab}	53.67, 6.08, 34.11
CIE _{LCh}	54, 34.652, 79.892
Yxy	21.6635, 0.4190, 0.4151
Android (android.graphics.Color)	4288445253 (0xFF9C7B45)
YUV	126.7110, -28.4515, 25.6865
Hunter-Lab	46.5441, 2.4096, 21.5518

Details

The Yxy color **21.6635, 0.4190, 0.4151** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.1656, 0.2213, 0.2207**, and the grayscale version is **21.2093, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.1380, 0.3968, 0.3972**, and **7.7803, 0.4564, 0.4398** is the 20% darker color. If you saturate the color by 10%, you get **20.0719, 0.4411, 0.4270**, and if you desaturate by 10%, it is **23.3969, 0.3970, 0.4008**.

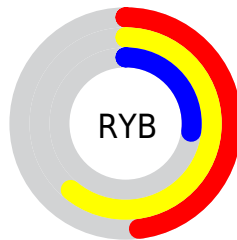
Distribution



Red (61%)

Green (48%)

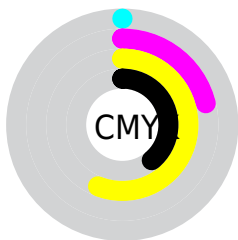
Blue (27%)



Red (48%)

Yellow (61%)

Blue (27%)

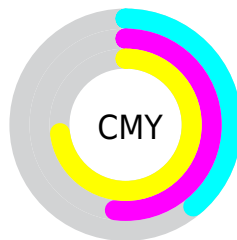


Cyan (0%)

Magenta (21%)

Yellow (56%)

Black (39%)



Cyan (39%)


Magenta (52%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6635, 0.4190, 0.4151 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 21.6635, 0.4190, 0.4151 by changing the saturation by 10% instead.


 21.6635, 0.4190,
0.4151


 21.6635, 0.4190,
0.4151


260.7839, 0.3604,
0.3693


 13.6099, 0.4348,
0.4265


 46.1892, 0.3966,
0.3982

 7.8498, 0.4552,
0.4404


 63.4300, 0.3885,
0.3919

 3.9990, 0.4859,
0.4603

 84.5021, 0.3818,
0.3865

 1.6730, 0.5221,
0.4779

 109.7897, 0.3761,
0.3820

 0.4061, 0.5682,
0.4318

 139.6773, 0.3713,
0.3782

 0.0000, 0.0000,
0.0000

174.5493, 0.3671,

0.3748

214.7900, 0.3635,
0.3719

■ 21.6635, 0.4190,
0.4151

■ 21.6635, 0.4190,
0.4151

■ 20.0719, 0.4411,
0.4270

■ 23.3969, 0.3970,
0.4008

■ 18.6132, 0.4623,
0.4355

■ 25.2740, 0.3758,
0.3852

■ 17.2822, 0.4815,
0.4395

■ 27.3007, 0.3560,
0.3690

■ 16.0709, 0.4978,
0.4386

■ 29.4814, 0.3379,
0.3530

■ 15.5878, 0.5045,
0.4376

■ 31.8205, 0.3214,
0.3376

■ 34.3219, 0.3067,
0.3229

■ 36.9895, 0.2936,
0.3092

■ 39.8271, 0.2819,
0.2966

■ 42.8380, 0.2716,
0.2849

Harmonies

Analogous

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



21.6635, 0.4375, 0.3712



21.6635, 0.4190, 0.4151



21.6635, 0.3722, 0.4417

Triad

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



21.6635, 0.4190, 0.4151



21.6635, 0.2162, 0.3210



21.6635, 0.3032, 0.2475

Complementary

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



21.6635, 0.4190, 0.4151



13.1656, 0.2213, 0.2207

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.



21.6635, 0.2479, 0.2323



21.6635, 0.4190, 0.4151



21.6635, 0.2019, 0.2678

Square

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



21.6635, 0.4190, 0.4151



21.6635, 0.2552, 0.3856



21.6635, 0.2129, 0.2382



21.6635, 0.3671, 0.2797

Rectangle

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



21.6635, 0.4190, 0.4151



21.6635, 0.3326, 0.4408



21.6635, 0.2129, 0.2382



21.6635, 0.2830, 0.2403

Sweetspot

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



21.6645, 0.4190, 0.4151



52.9097, 0.3406, 0.3555



12.2895, 0.4091, 0.2755



11.4803, 0.3438, 0.3584



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



21.6645, 0.4190, 0.4151



35.7578, 0.4467, 0.4296



30.3029, 0.3798, 0.4643



7.2973, 0.3270, 0.3429



12.9081, 0.5037, 0.4382



0.3103, 0.4628, 0.4708

Inverse Universe

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



13.1656, 0.2213, 0.2207



18.7939, 0.2018, 0.1911



8.3244, 0.2179, 0.1596



6.8270, 0.2988, 0.3147



4.6296, 0.1678, 0.1239



0.1613, 0.1894, 0.2019

Previews

White Background



This preview shows how the Yxy color 21.6635, 0.4190, 0.4151 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 21.6635, 0.4190, 0.4151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

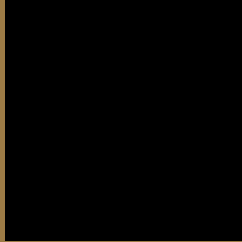
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.6635, 0.4190, 0.4151

Background



This preview shows how black text looks on a background with the Yxy color 21.6635, 0.4190, 0.4151.



This preview shows how white text looks on a background with the Yxy color 21.6635, 0.4190, 0.4151.

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

21.6635, 0.4190, 0.4151

Protanopia

21.8182, 0.3923, 0.4286

Deuteranopia

21.5168, 0.4212, 0.4131



Tritanopia

21.5485, 0.3600, 0.3148

Trichromacy



Original Color

21.6635, 0.4190, 0.4151

Protanomaly

21.7319, 0.4014, 0.4246

Deuteranomaly

21.5168, 0.4212, 0.4131

Tritanomaly

21.5845, 0.3823, 0.3520

Monochromacy



Original Color

21.6635, 0.4190, 0.4151

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.3656, 0.3507, 0.3647

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6635, 0.4190, 0.4151 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(156, 123, 69)` looks like.

```
.text, #text, p{  
    color:rgb(156, 123, 69)  
}
```

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(156, 123, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 123, 69) }
```

Border

The CSS property to change the border of an element to Yxy 21.6635, 0.4190, 0.4151 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(156, 123, 69) }
```

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

```
.border{ border-color:rgb(156, 123, 69) }
```

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

Here you see how a box with a 4 pixel rgb(156, 123, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 123, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 123, 69);  
box-shadow:4px 4px 4px 4px rgb(156, 123,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6635, 0.4190, 0.4151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 123, 69) }
```

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

```
.background{ background-color: rgb(156,  
123, 69) }
```

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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