

Converting Colors

$Y_{xy}(21.7482, 0.4135, 0.4080)$

Have a look what the booklet for
Yxy(21.7482, 0.4135, 0.4080)
contains.

Yxy(21.7282, 0.4135, 0.4079)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.7282, 0.4135, 0.4079)

Conversions

Conversions Part 1

Format	Color
Hex	9C7B4A
RGB	156, 123, 74
RGB Percent	61%, 48%, 29%
CMY	0.3883, 0.5176, 0.7098
CMYK	0.00, 0.21, 0.53, 0.39
HSL	36°, 36%, 45%
HSV	36°, 53%, 61%
XYZ	22.0265, 21.7282, 9.5137
YIQ	127.2810, 35.3970, -8.2430

Conversions

Conversions Part 2

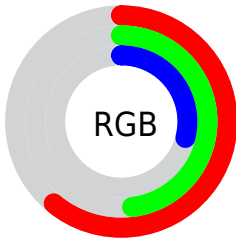
Format	Color
R_{YB}	129, 156, 74
Decimal	10255178
CIE _{Lab}	53.74, 6.53, 31.49
CIE _{LCh}	54, 32.158, 78.291
Yxy	21.7282, 0.4135, 0.4079
Android (android.graphics.Color)	4288445258 (0xFF9C7B4A)
YUV	127.2810, -26.2675, 25.1866
Hunter-Lab	46.6135, 2.7738, 20.5285

Details

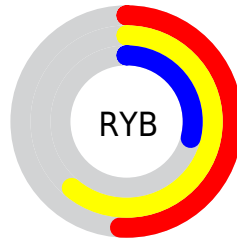
The Yxy color **21.7282, 0.4135, 0.4079** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.3671, 0.2274, 0.2320**, and the grayscale version is **21.4085, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.1122, 0.3916, 0.3915**, and **7.8062, 0.4491, 0.4308** is the 20% darker color. If you saturate the color by 10%, you get **20.0372, 0.4365, 0.4203**, and if you desaturate by 10%, it is **23.5732, 0.3910, 0.3936**.

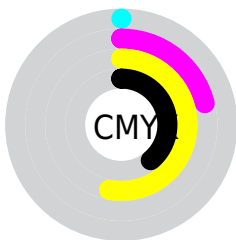
Distribution



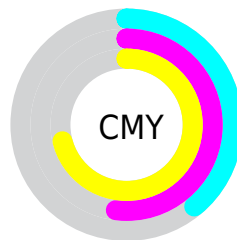
- Red (61%)
- Green (48%)
- Blue (29%)



- Red (51%)
- Yellow (61%)
- Blue (29%)



- Cyan (0%)
- Magenta (21%)
- Yellow (53%)
- Black (39%)




- Cyan (39%)
- Magenta (52%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7282, 0.4135, 0.4079 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 21.7282, 0.4135, 0.4079 by changing the saturation by 10% instead.


 21.7282, 0.4135,
0.4079


 21.7282, 0.4135,
0.4079


261.1236, 0.3576,
0.3657


 13.6573, 0.4289,
0.4186


 46.2964, 0.3920,
0.3922


 7.8827, 0.4491,
0.4318


 63.5624, 0.3842,
0.3864


 4.0200, 0.4774,
0.4489


 84.6624, 0.3779,
0.3815

 1.6848, 0.5245,
0.4755

 109.9805, 0.3725,
0.3774

 0.4138, 0.5718,
0.4282

 139.9013, 0.3679,
0.3739

 0.0000, 0.0000,
0.0000

174.8092, 0.3640,

0.3708

215.0885, 0.3606,
0.3681

■ 21.7282, 0.4135,
0.4079

■ 21.7282, 0.4135,
0.4079

■ 20.0372, 0.4365,
0.4203

■ 23.5732, 0.3910,
0.3936

■ 18.4913, 0.4591,
0.4295

■ 25.5743, 0.3698,
0.3782

■ 17.0852, 0.4801,
0.4346

■ 27.7377, 0.3502,
0.3626

■ 15.8114, 0.4984,
0.4347

■ 30.0679, 0.3325,
0.3473

■ 14.9373, 0.5109,
0.4326

■ 32.5694, 0.3165,
0.3326

■ 35.2466, 0.3023,
0.3188

■ 38.1033, 0.2897,
0.3059

■ 41.1436, 0.2786,
0.2941

■ 44.3711, 0.2687,
0.2831

Harmonies

Analogous

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



21.7282, 0.4285, 0.3668



21.7282, 0.4135, 0.4079



21.7282, 0.3714, 0.4329

Triad

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



21.7282, 0.4135, 0.4079



21.7282, 0.2241, 0.3251



21.7282, 0.3010, 0.2515

Complementary

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



21.7282, 0.4135, 0.4079



14.3671, 0.2274, 0.2320

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.



21.7282, 0.2501, 0.2383



21.7282, 0.4135, 0.4079



21.7282, 0.2091, 0.2746

Square

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



21.7282, 0.4135, 0.4079



21.7282, 0.2620, 0.3842



21.7282, 0.2182, 0.2452



21.7282, 0.3602, 0.2811

Rectangle

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



21.7282, 0.4135, 0.4079



21.7282, 0.3348, 0.4328



21.7282, 0.2182, 0.2452



21.7282, 0.2824, 0.2450

Sweetspot

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



21.7292, 0.4135, 0.4079



52.9973, 0.3389, 0.3530



13.0514, 0.3958, 0.2737



11.4854, 0.3423, 0.3559



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.



21.7292, 0.4135, 0.4079



35.9089, 0.4404, 0.4221



30.6677, 0.3797, 0.4559



7.2723, 0.3270, 0.3424



12.3765, 0.5100, 0.4332



0.3026, 0.4660, 0.4682

Inverse Universe

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



14.3671, 0.2274, 0.2320



21.0978, 0.2090, 0.2056



9.0414, 0.2214, 0.1692



6.8513, 0.2988, 0.3153



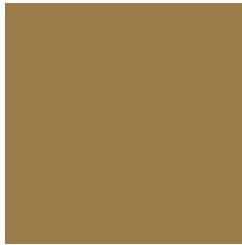
4.9465, 0.1696, 0.1305



0.1689, 0.1912, 0.2081

Previews

White Background



This preview shows how the Yxy color 21.7282, 0.4135, 0.4079 looks on a white background.

Color Contrast Check

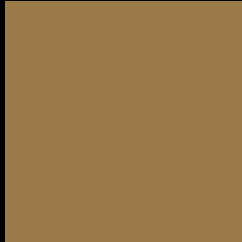
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7282, 0.4135, 0.4079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

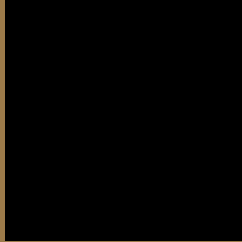
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.7282, 0.4135, 0.4079

Background



This preview shows how black text looks on a background with the Yxy color 21.7282, 0.4135, 0.4079.



This preview shows how white text looks on a background with the Yxy color 21.7282, 0.4135, 0.4079.

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

21.7282, 0.4135, 0.4079

Protanopia

21.8850, 0.3871, 0.4207

Deuteranopia

21.8284, 0.4148, 0.4075



Tritanopia

21.8060, 0.3584, 0.3148

Trichromacy



Original Color

21.7282, 0.4135, 0.4079

Protanomaly

21.7977, 0.3962, 0.4169

Deuteranomaly

21.8284, 0.4148, 0.4075

Tritanomaly

21.6261, 0.3797, 0.3487

Monochromacy



Original Color

21.7282, 0.4135, 0.4079

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.4077, 0.3483, 0.3611

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7282, 0.4135, 0.4079 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, 74)` looks like.

```
.text, #text, p{  
    color:rgb(156, 123, 74)  
}
```

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, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 123, 74) }
```

Border

The CSS property to change the border of an element to Yxy 21.7282, 0.4135, 0.4079 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, 74) }
```

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

```
.border{ border-color:rgb(156, 123, 74) }
```

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, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 123, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 123, 74);  
box-shadow:4px 4px 4px 4px rgb(156, 123,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7282, 0.4135, 0.4079 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, 74) }
```

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

```
.background{ background-color: rgb(156,  
123, 74) }
```

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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