

Converting Colors

$Y_{xy}(21.0510, 0.3506, 0.3090)$

Have a look what the booklet for
Yxy(21.0510, 0.3506, 0.3090)
contains.

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Color

Yxy(21.1172, 0.3497, 0.3096)

Conversions

Conversions Part 1

Format	Color
Hex	9C7480
RGB	156, 116, 128
RGB Percent	61%, 45%, 50%
CMY	0.3882, 0.5451, 0.4981
CMYK	0.00, 0.26, 0.18, 0.39
HSL	342°, 17%, 53%
HSV	342°, 26%, 61%
XYZ	23.8523, 21.1172, 23.2385
YIQ	129.3280, 19.9880, 12.2120

Conversions

Conversions Part 2

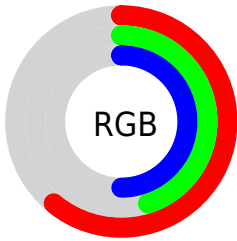
Format	Color
R _Y B	156, 116, 128
Decimal	10253440
CIE Lab	53.08, 17.63, -0.42
CIE LCh	53, 17.637, 358.628
Yxy	21.1172, 0.3497, 0.3096
Android (android.graphics.Color)	4288443520 (0xFF9C7480)
YUV	129.3280, -0.6547, 23.3913
Hunter-Lab	45.9535, 12.2327, 2.1847

Details

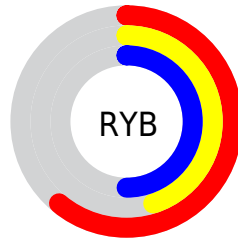
The Yxy color $21.1172, 0.3497, 0.3096$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $29.5061, 0.2857, 0.3494$, and the grayscale version is $22.0716, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.1903, 0.3411, 0.3133$, and $7.5219, 0.3648, 0.3007$ is the 20% darker color. If you saturate the color by 10%, you get $17.5461, 0.3700, 0.3016$, and if you desaturate by 10%, it is $25.3252, 0.3330, 0.3175$.

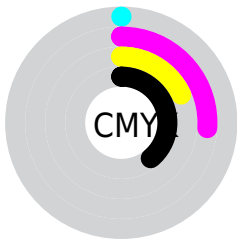
Distribution



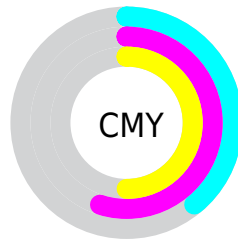
- Red (61%)
- Green (45%)
- Blue (50%)



- Red (61%)
- Yellow (45%)
- Blue (50%)



- Cyan (0%)
- Magenta (26%)
- Yellow (18%)
- Black (39%)





- Cyan (39%)
- Magenta (55%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.1172, 0.3497, 0.3096 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 21.1172, 0.3497, 0.3096 by changing the saturation by 10% instead.


 21.1172, 0.3497,
0.3096


 21.1172, 0.3497,
0.3096


257.9007, 0.3288,
0.3206


 13.2097, 0.3559,
0.3063


 45.2825, 0.3414,
0.3139


 7.5731, 0.3647,
0.3018


 62.3091, 0.3385,
0.3155

 3.8230, 0.3779,
0.2949

 83.1442, 0.3362,
0.3167

 1.5751, 0.3999,
0.2835

 108.1721, 0.3342,
0.3177

 0.3407, 0.5044,
0.2278

137.7774, 0.3325,
0.3186

 0.0000, 0.0000,
0.0000

172.3443, 0.3311,

0.3193

212.2573, 0.3299,
0.3200

■ 21.1172, 0.3497,
0.3096

■ 21.1172, 0.3497,
0.3096

■ 17.5461, 0.3700,
0.3016

■ 25.3252, 0.3330,
0.3175

■ 14.5779, 0.3943,
0.2940

■ 30.1962, 0.3193,
0.3250

■ 12.1797, 0.4229,
0.2873

■ 35.7583, 0.3081,
0.3320

■ 10.3145, 0.4554,
0.2826

■ 42.0372, 0.2990,
0.3385

■ 8.9407, 0.4907,
0.2809

■ 49.0573, 0.2914,
0.3444

■ 8.0104, 0.5264,
0.2832

■ 56.8416, 0.2852,
0.3498

■ 7.4597, 0.5595,
0.2899

■ 65.4125, 0.2801,
0.3548

■ 7.2718, 0.5731,
0.2931

■ 74.7911, 0.2758,
0.3593

■ 84.0966, 0.2721,
0.3618

Harmonies

Analogous

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



21.1172, 0.3183, 0.2888



21.1172, 0.3497, 0.3096



21.1172, 0.3714, 0.3356

Triad

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



21.1172, 0.3497, 0.3096



21.1172, 0.3368, 0.3863



21.1172, 0.2529, 0.2923

Complementary

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



21.1172, 0.3497, 0.3096



29.5061, 0.2857, 0.3494

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.



21.1172, 0.2573, 0.3177



21.1172, 0.3497, 0.3096



21.1172, 0.3047, 0.3746

Square

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



21.1172, 0.3497, 0.3096



21.1172, 0.3632, 0.3805



21.1172, 0.2759, 0.3486



21.1172, 0.2633, 0.2782

Rectangle

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



21.1172, 0.3497, 0.3096



21.1172, 0.3767, 0.3532



21.1172, 0.2759, 0.3486



21.1172, 0.2527, 0.2997

Sweetspot

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



21.1182, 0.3497, 0.3096



52.4984, 0.3225, 0.3231



20.8215, 0.3014, 0.2643



11.2681, 0.3244, 0.3221



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.



21.1182, 0.3497, 0.3096



34.3446, 0.3613, 0.3048



22.7456, 0.3622, 0.3422



6.6772, 0.3239, 0.3223



5.9948, 0.5712, 0.2921



0.1141, 0.4701, 0.2363

Inverse Universe

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



21.1182, 0.3497, 0.3096



34.3446, 0.3613, 0.3048



27.2951, 0.2749, 0.3153



6.6772, 0.3239, 0.3223



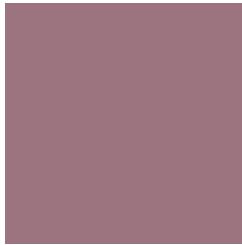
5.9948, 0.5712, 0.2921



0.1141, 0.4701, 0.2363

Previews

White Background



This preview shows how the Yxy color 21.1172, 0.3497, 0.3096 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 21.1172, 0.3497, 0.3096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

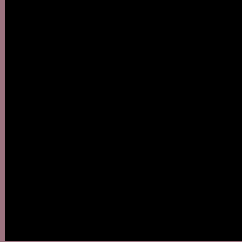
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1172, 0.3497, 0.3096

Background



This preview shows how black text looks on a background with the Yxy color 21.1172, 0.3497, 0.3096.



This preview shows how white text looks on a background with the Yxy color 21.1172, 0.3497, 0.3096.

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

21.1172, 0.3497, 0.3096

Protanopia

21.1550, 0.3052, 0.3147

Deuteranopia

21.1872, 0.3278, 0.3221



Tritanopia

21.0394, 0.3536, 0.3144

Trichromacy



Original Color

21.1172, 0.3497, 0.3096

Protanomaly

20.9883, 0.3209, 0.3117

Deuteranomaly

20.9850, 0.3359, 0.3172

Tritanomaly

21.0651, 0.3523, 0.3128

Monochromacy



Original Color

21.1172, 0.3497, 0.3096

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.4892, 0.3253, 0.3204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1172, 0.3497, 0.3096 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, 116, 128)` looks like.

```
.text, #text, p{  
    color:rgb(156, 116, 128)  
}
```

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, 116, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 116, 128) }
```

Border

The CSS property to change the border of an element to Yxy 21.1172, 0.3497, 0.3096 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, 116, 128) }
```

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

```
.border{ border-color:rgb(156, 116, 128) }
```

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

Here you see how a box with a 4 pixel rgb(156, 116, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 116, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 116, 128);  
box-shadow:4px 4px 4px 4px rgb(156, 116,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1172, 0.3497, 0.3096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 116, 128) }
```

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

```
.background{ background-color: rgb(156,  
116, 128) }
```

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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