

Converting Colors

$Y_{xy}(28.7495, 0.3044, 0.3834)$

Have a look what the booklet for
 $\text{Yxy}(28.7495, 0.3044, 0.3834)$
contains.

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Color

Yxy(28.7495, 0.3044, 0.3834)

Conversions

Conversions Part 1

Format	Color
Hex	769B7C
RGB	118, 155, 124
RGB Percent	46%, 61%, 49%
CMY	0.5374, 0.3921, 0.5138
CMYK	0.24, 0.00, 0.20, 0.39
HSL	130°, 16%, 54%
HSV	130°, 24%, 61%
XYZ	22.8256, 28.7495, 23.4105
YIQ	140.4030, -12.1010, -17.4850

Conversions

Conversions Part 2

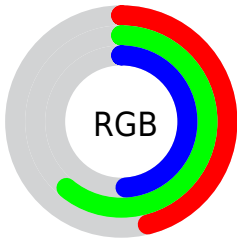
Format	Color
RYB	118, 150, 155
Decimal	7773052
CIELab	60.56, -19.21, 12.18
CIElCh	61, 22.749, 147.616
Yxy	28.7495, 0.3044, 0.3834
Android (android.graphics.Color)	4285963132 (0xFF769B7C)
YUV	140.4030, -8.0867, -19.6474
Hunter-Lab	53.6186, -17.8443, 11.6463

Details

The Yxy color $28.7495, 0.3044, 0.3834$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $22.0862, 0.3223, 0.2801$, and the grayscale version is $26.4233, 0.3127, 0.3290$.

A 20% lighter version of the original color is $57.9254, 0.3063, 0.3714$, and $11.6738, 0.3012, 0.4053$ is the 20% darker color. If you saturate the color by 10%, you get $27.4466, 0.3010, 0.4106$, and if you desaturate by 10%, it is $30.2764, 0.3079, 0.3588$.

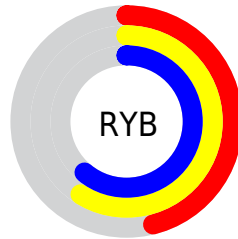
Distribution



Red (46%)

Green (61%)

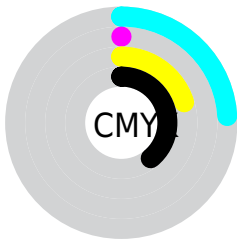
Blue (49%)



Red (46%)

Yellow (59%)

Blue (61%)

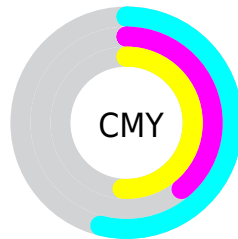


Cyan (24%)

Magenta (0%)

Yellow (20%)

Black (39%)



Cyan (54%)


Magenta (39%)

Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7495, 0.3044, 0.3834 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 28.7495, 0.3044, 0.3834 by changing the saturation by 10% instead.


 28.7495, 0.3044,
0.3834


 28.7495, 0.3044,
0.3834


296.0312, 0.3094,
0.3531


 18.8914, 0.3028,
0.3922


 57.6789, 0.3064,
0.3715

 11.5918, 0.3005,
0.4044


 77.5189, 0.3071,
0.3673

 6.4664, 0.2969,
0.4224


 101.4550, 0.3077,
0.3639

 3.1307, 0.2905,
0.4514

129.8717, 0.3081,
0.3610

 1.2003, 0.2837,
0.5303

163.1532, 0.3085,
0.3586

 0.0620, 0.0000,
1.0000

201.6841, 0.3088,

 0.0000, 0.0000,

0.3565

0.0000

245.8486, 0.3091,
0.3547

■ 28.7495, 0.3044,
0.3834

■ 28.7495, 0.3044,
0.3834

■ 27.4466, 0.3010,
0.4106

■ 30.2764, 0.3079,
0.3588

■ 26.3537, 0.2980,
0.4398

■ 32.0333, 0.3114,
0.3368

■ 25.4607, 0.2955,
0.4703

■ 34.0306, 0.3148,
0.3175

■ 24.7554, 0.2938,
0.5008

■ 36.2768, 0.3180,
0.3007

■ 24.2241, 0.2931,
0.5295

■ 38.7803, 0.3210,
0.2861

■ 23.8514, 0.2934,
0.5546

■ 41.5487, 0.3239,
0.2734

■ 23.6187, 0.2948,
0.5746

■ 44.5896, 0.3265,
0.2624

■ 23.5183, 0.2956,
0.5841

■ 47.9102, 0.3289,
0.2529

■ 51.0459, 0.3290,
0.2441

Harmonies

Analogous

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



28.7495, 0.3415, 0.3961



28.7495, 0.3044, 0.3834



28.7495, 0.2709, 0.3530

Triad

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



28.7495, 0.3044, 0.3834



28.7495, 0.2550, 0.2706



28.7495, 0.3806, 0.3352

Complementary

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



28.7495, 0.3044, 0.3834



22.0862, 0.3223, 0.2801

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.



28.7495, 0.3546, 0.3055



28.7495, 0.3044, 0.3834



28.7495, 0.2814, 0.2694

Square

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



28.7495, 0.3044, 0.3834



28.7495, 0.2436, 0.2869



28.7495, 0.3177, 0.2821



28.7495, 0.3869, 0.3651

Rectangle

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



28.7495, 0.3044, 0.3834



28.7495, 0.2547, 0.3286



28.7495, 0.3177, 0.2821



28.7495, 0.3738, 0.3249

Sweetspot

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



28.7507, 0.3044, 0.3834



56.2943, 0.3103, 0.3436



31.1866, 0.3418, 0.3881



12.7033, 0.3101, 0.3448



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.



28.7507, 0.3044, 0.3834



50.1103, 0.3025, 0.3985



29.2501, 0.2890, 0.3511



6.9412, 0.3095, 0.3482



18.8905, 0.2953, 0.5830



0.2860, 0.2791, 0.5249

Inverse Universe

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



22.0862, 0.3223, 0.2801



35.9370, 0.3251, 0.2683



21.5536, 0.3442, 0.3080



6.3064, 0.3161, 0.3106



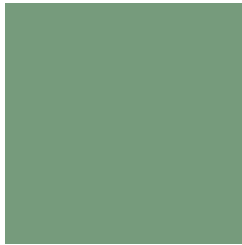
6.8916, 0.3657, 0.1788



0.1071, 0.3430, 0.1663

Previews

White Background



This preview shows how the Yxy color 28.7495, 0.3044, 0.3834 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 28.7495, 0.3044, 0.3834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

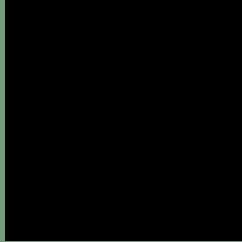
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

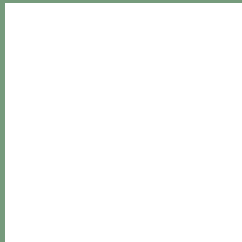
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.7495, 0.3044, 0.3834

Background



This preview shows how black text looks on a background with the Yxy color 28.7495, 0.3044, 0.3834.



This preview shows how white text looks on a background with the Yxy color 28.7495, 0.3044, 0.3834.

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

28.7495, 0.3044, 0.3834

Protanopia

28.4527, 0.3489, 0.3706

Deuteranopia

28.3955, 0.3556, 0.3490



Tritanopia

28.7813, 0.2782, 0.3093

Trichromacy



Original Color

28.7495, 0.3044, 0.3834

Protanomaly

28.5381, 0.3314, 0.3755

Deuteranomaly

28.1467, 0.3361, 0.3598

Tritanomaly

28.7322, 0.2874, 0.3357

Monochromacy



Original Color

28.7495, 0.3044, 0.3834

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

26.8776, 0.3097, 0.3477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7495, 0.3044, 0.3834 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(118, 155, 124)` looks like.

```
.text, #text, p{  
    color:rgb(118, 155, 124)  
}
```

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(118, 155, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 155, 124) }
```

Border

The CSS property to change the border of an element to Yxy 28.7495, 0.3044, 0.3834 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(118, 155, 124) }
```

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

```
.border{ border-color:rgb(118, 155, 124) }
```

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

Here you see how a box with a 4 pixel rgb(118, 155, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 155, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 155, 124);  
box-shadow:4px 4px 4px 4px rgb(118, 155,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7495, 0.3044, 0.3834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 155, 124) }
```

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

```
.background{ background-color: rgb(118,  
155, 124) }
```

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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