

Converting Colors

$Y_{xy}(28.6350, 0.3212, 0.4069)$

Have a look what the booklet for
Yxy(28.6350, 0.3212, 0.4069)
contains.

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Color

Yxy(28.7794, 0.3216, 0.4077)

Conversions

Conversions Part 1

Format	Color
Hex	7B9B6E
RGB	123, 155, 110
RGB Percent	48%, 61%, 43%
CMY	0.5177, 0.3921, 0.5686
CMYK	0.21, 0.00, 0.29, 0.39
HSL	103°, 18%, 52%
HSV	103°, 29%, 61%
XYZ	22.7016, 28.7794, 19.1086
YIQ	140.3020, -4.6270, -20.7790

Conversions

Conversions Part 2

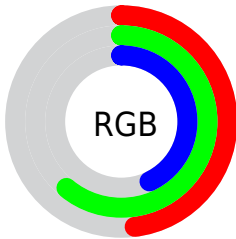
Format	Color
RYB	110, 155, 142
Decimal	8100718
CIELab	60.59, -19.89, 20.07
CIElCh	61, 28.257, 134.740
Yxy	28.7794, 0.3216, 0.4077
Android (android.graphics.Color)	4286290798 (0xFF7B9B6E)
YUV	140.3020, -14.9389, -15.1739
Hunter-Lab	53.6464, -18.3452, 16.4337

Details

The Yxy color $28.7794, 0.3216, 0.4077$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $19.2707, 0.3002, 0.2554$, and the grayscale version is $26.4086, 0.3127, 0.3290$.

A 20% lighter version of the original color is $57.9319, 0.3202, 0.3907$, and $11.6649, 0.3222, 0.4387$ is the 20% darker color. If you saturate the color by 10%, you get $27.7040, 0.3238, 0.4389$, and if you desaturate by 10%, it is $30.0080, 0.3188, 0.3783$.

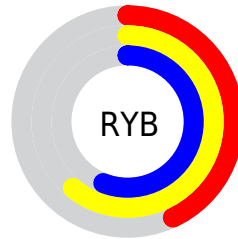
Distribution



Red (48%)

Green (61%)

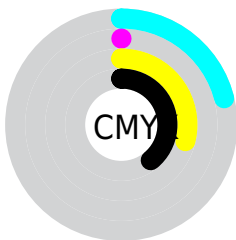
Blue (43%)



Red (43%)

Yellow (61%)

Blue (56%)

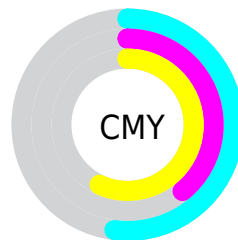


Cyan (21%)

Magenta (0%)

Yellow (29%)

Black (39%)



Cyan (52%)

Magenta (39%)

Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7794, 0.3216, 0.4077 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 28.7794, 0.3216, 0.4077 by changing the saturation by 10% instead.


 28.7794, 0.3216,
0.4077


 28.7794, 0.3216,
0.4077


296.1727, 0.3177,
0.3637

 18.9140, 0.3222,
0.4205


 57.7264, 0.3204,
0.3904

 11.6082, 0.3227,
0.4382


 77.5768, 0.3199,
0.3843

 6.4775, 0.3226,
0.4641


 101.5243, 0.3194,
0.3793

 3.1375, 0.3204,
0.5052

 129.9534, 0.3190,
0.3752

 1.2039, 0.3429,
0.6571

163.2484, 0.3186,
0.3716

 0.0649, 0.0000,
1.0000

201.7936, 0.3183,

 0.0000, 0.0000,

0.3686

0.0000

245.9736, 0.3180,
0.3660

■ 28.7794, 0.3216,
0.4077

■ 28.7794, 0.3216,
0.4077

■ 27.7040, 0.3238,
0.4389

■ 30.0080, 0.3188,
0.3783

■ 26.7720, 0.3253,
0.4709

■ 31.3918, 0.3157,
0.3512

■ 25.9781, 0.3256,
0.5023

■ 32.9375, 0.3124,
0.3268

■ 25.3151, 0.3246,
0.5313

■ 34.6503, 0.3091,
0.3049

■ 24.7754, 0.3223,
0.5559

■ 36.5350, 0.3059,
0.2855

■ 24.3500, 0.3186,
0.5747

■ 38.5964, 0.3027,
0.2684

■ 24.0243, 0.3143,
0.5878

■ 40.8390, 0.2998,
0.2534

■ 23.9969, 0.3139,
0.5889

■ 43.2672, 0.2970,
0.2402

■ 45.8852, 0.2944,
0.2286

Harmonies

Analogous

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



28.7794, 0.3657, 0.4110



28.7794, 0.3216, 0.4077



28.7794, 0.2771, 0.3775

Triad

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



28.7794, 0.3216, 0.4077



28.7794, 0.2336, 0.2632



28.7794, 0.3859, 0.3198

Complementary

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



28.7794, 0.3216, 0.4077



19.2707, 0.3002, 0.2554

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.



28.7794, 0.3456, 0.2866



28.7794, 0.3216, 0.4077



28.7794, 0.2581, 0.2546

Square

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



28.7794, 0.3216, 0.4077



28.7794, 0.2285, 0.2902



28.7794, 0.2983, 0.2633



28.7794, 0.4050, 0.3569

Rectangle

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



28.7794, 0.3216, 0.4077



28.7794, 0.2530, 0.3478



28.7794, 0.2983, 0.2633



28.7794, 0.3742, 0.3080

Sweetspot

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



28.7806, 0.3216, 0.4077



56.1769, 0.3157, 0.3516



27.2940, 0.3608, 0.3797



12.6348, 0.3162, 0.3551



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.



28.7806, 0.3216, 0.4077



50.2266, 0.3232, 0.4283



28.0921, 0.3012, 0.3939



7.0076, 0.3157, 0.3517



19.2896, 0.3145, 0.5885



0.3052, 0.3452, 0.5641

Inverse Universe

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



19.2707, 0.3002, 0.2554



30.2928, 0.2964, 0.2376



20.1958, 0.3269, 0.2718



6.2341, 0.3094, 0.3068



4.5986, 0.2506, 0.1154



0.0870, 0.2836, 0.1336

Previews

White Background



This preview shows how the Yxy color 28.7794, 0.3216, 0.4077 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 28.7794, 0.3216, 0.4077 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

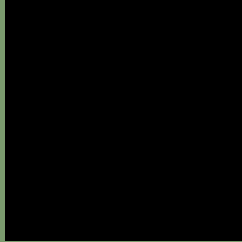
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.7794, 0.3216, 0.4077

Background



This preview shows how black text looks on a background with the Yxy color 28.7794, 0.3216, 0.4077.



This preview shows how white text looks on a background with the Yxy color 28.7794, 0.3216, 0.4077.

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

28.7794, 0.3216, 0.4077

Protanopia

28.7665, 0.3653, 0.3923

Deuteranopia

28.6063, 0.3768, 0.3697



Tritanopia

28.8583, 0.2852, 0.3112

Trichromacy



Original Color

28.7794, 0.3216, 0.4077

Protanomaly

28.5762, 0.3495, 0.3982

Deuteranomaly

28.2907, 0.3561, 0.3820

Tritanomaly

28.6754, 0.2982, 0.3441

Monochromacy



Original Color

28.7794, 0.3216, 0.4077

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

26.9041, 0.3167, 0.3562

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7794, 0.3216, 0.4077 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(123, 155, 110)` looks like.

```
.text, #text, p{  
    color:rgb(123, 155, 110)  
}
```

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(123, 155, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 155, 110) }
```

Border

The CSS property to change the border of an element to Yxy 28.7794, 0.3216, 0.4077 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(123, 155, 110) }
```

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

```
.border{ border-color:rgb(123, 155, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 155, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 155, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 155, 110);  
box-shadow:4px 4px 4px 4px rgb(123, 155,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7794, 0.3216, 0.4077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 155, 110) }
```

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

```
.background{ background-color: rgb(123,  
155, 110) }
```

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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