

Converting Colors

$Y_{xy}(28.2851, 0.3075, 0.4019)$

Have a look what the booklet for
Yxy(28.2851, 0.3075, 0.4019)
contains.

Yxy(28.1912, 0.3075, 0.4008)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(28.1912, 0.3075, 0.4008)

Conversions

Conversions Part 1

Format	Color
Hex	719B73
RGB	113, 155, 115
RGB Percent	44%, 61%, 45%
CMY	0.5567, 0.3922, 0.5491
CMYK	0.27, 0.00, 0.26, 0.39
HSL	123°, 17%, 53%
HSV	123°, 27%, 61%
XYZ	21.6287, 28.1912, 20.5174
YIQ	137.8820, -12.1920, -21.3440

Conversions

Conversions Part 2

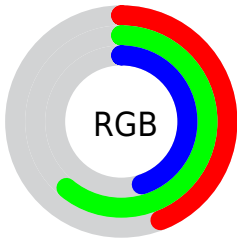
Format	Color
RYB	113, 153, 155
Decimal	7445363
CIELab	60.06, -22.59, 16.48
CIElCh	60, 27.962, 143.892
Yxy	28.1912, 0.3075, 0.4008
Android (android.graphics.Color)	4285635443 (0xFF719B73)
YUV	137.8820, -11.2808, -21.8215
Hunter-Lab	53.0954, -20.2039, 14.2556

Details

The Yxy color $28.1912, 0.3075, 0.4008$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $21.0880, 0.3181, 0.2664$, and the grayscale version is $25.4184, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.9902, 0.3093, 0.3854$, and $11.3626, 0.3029, 0.4295$ is the 20% darker color. If you saturate the color by 10%, you get $26.9369, 0.3055, 0.4326$, and if you desaturate by 10%, it is $29.6781, 0.3095, 0.3716$.

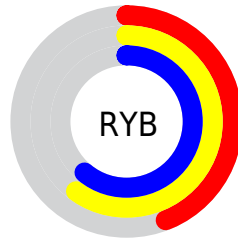
Distribution



Red (44%)

Green (61%)

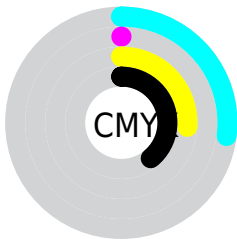
Blue (45%)



Red (44%)

Yellow (60%)

Blue (61%)

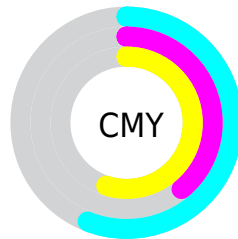


Cyan (27%)

Magenta (0%)

Yellow (26%)

Black (39%)



Cyan (56%)


Magenta (39%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1912, 0.3075, 0.4008 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 28.1912, 0.3075, 0.4008 by changing the saturation by 10% instead.

 28.1912, 0.3075,
0.4008


 28.1912, 0.3075,
0.4008


293.3794, 0.3111,
0.3604


 18.4698, 0.3061,
0.4127


 56.7896, 0.3091,
0.3849

 11.2878, 0.3039,
0.4293


 76.4353, 0.3096,
0.3793

 6.2608, 0.3002,
0.4538


 100.1581, 0.3100,
0.3747

 3.0043, 0.2929,
0.4937

 128.3421, 0.3103,
0.3709

 1.1340, 0.2980,
0.6663

161.3719, 0.3106,
0.3677

 0.0068, 0.0000,
1.0000

199.6317, 0.3108,

 0.0000, 0.0000,

0.3649

0.0000

243.5061, 0.3110,
0.3625

■ 28.1912, 0.3075,
0.4008

■ 28.1912, 0.3075,
0.4008

■ 26.9369, 0.3055,
0.4326

■ 29.6781, 0.3095,
0.3716

■ 25.9000, 0.3035,
0.4662

■ 31.4046, 0.3114,
0.3455

■ 25.0692, 0.3017,
0.4999

■ 33.3820, 0.3132,
0.3226

■ 24.4308, 0.3003,
0.5318

■ 35.6198, 0.3149,
0.3026

■ 23.9693, 0.2994,
0.5592

■ 38.1268, 0.3163,
0.2854

■ 23.6669, 0.2991,
0.5802

■ 40.9118, 0.3177,
0.2705

■ 23.4964, 0.2992,
0.5936

■ 43.9828, 0.3189,
0.2577

■ 23.4575, 0.2990,
0.5964

■ 47.3477, 0.3199,
0.2467

■ 51.0139, 0.3209,
0.2372

Harmonies

Analogous

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



28.1912, 0.3529, 0.4126



28.1912, 0.3075, 0.4008



28.1912, 0.2654, 0.3643

Triad

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



28.1912, 0.3075, 0.4008



28.1912, 0.2394, 0.2588



28.1912, 0.3941, 0.3310

Complementary

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



28.1912, 0.3075, 0.4008



21.0880, 0.3181, 0.2664

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.



28.1912, 0.3592, 0.2960



28.1912, 0.3075, 0.4008



28.1912, 0.2691, 0.2557

Square

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



28.1912, 0.3075, 0.4008



28.1912, 0.2282, 0.2802



28.1912, 0.3126, 0.2693



28.1912, 0.4050, 0.3678

Rectangle

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



28.1912, 0.3075, 0.4008



28.1912, 0.2446, 0.3335



28.1912, 0.3126, 0.2693



28.1912, 0.3847, 0.3188

Sweetspot

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



28.1924, 0.3075, 0.4008



55.8880, 0.3112, 0.3482



31.4655, 0.3509, 0.3950



12.5453, 0.3110, 0.3518



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.



28.1924, 0.3075, 0.4008



49.1936, 0.3064, 0.4182



28.7158, 0.2901, 0.3632



6.9300, 0.3110, 0.3509



18.8436, 0.2989, 0.5959



0.2828, 0.2934, 0.5762

Inverse Universe

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



21.0880, 0.3181, 0.2664



34.4653, 0.3193, 0.2536



20.4696, 0.3432, 0.2973



6.3187, 0.3144, 0.3081



7.3107, 0.3326, 0.1606



0.1106, 0.3270, 0.1575

Previews

White Background



This preview shows how the Yxy color 28.1912, 0.3075, 0.4008 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 28.1912, 0.3075, 0.4008 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 28.1912, 0.3075, 0.4008

Background



This preview shows how black text looks on a background with the Yxy color 28.1912, 0.3075, 0.4008.



This preview shows how white text looks on a background with the Yxy color 28.1912, 0.3075, 0.4008.

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

28.1912, 0.3075, 0.4008

Protanopia

27.9423, 0.3586, 0.3837

Deuteranopia

27.9887, 0.3671, 0.3613



Tritanopia

28.1330, 0.2754, 0.3091

Trichromacy



Original Color

28.1912, 0.3075, 0.4008

Protanomaly

27.8386, 0.3383, 0.3897

Deuteranomaly

27.7382, 0.3430, 0.3751

Tritanomaly

27.9984, 0.2870, 0.3410

Monochromacy



Original Color

28.1912, 0.3075, 0.4008

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.2254, 0.3105, 0.3532

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1912, 0.3075, 0.4008 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(113, 155, 115)` looks like.

```
.text, #text, p{  
    color:rgb(113, 155, 115)  
}
```

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(113, 155, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 155, 115) }
```

Border

The CSS property to change the border of an element to Yxy 28.1912, 0.3075, 0.4008 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(113, 155, 115) }
```

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

```
.border{ border-color:rgb(113, 155, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 155, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 155, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 155, 115);  
box-shadow:4px 4px 4px 4px rgb(113, 155,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1912, 0.3075, 0.4008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 155, 115) }
```

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

```
.background{ background-color: rgb(113,  
155, 115) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor