

Converting Colors

$Y_{xy}(29.9261, 0.3216, 0.4040)$

Have a look what the booklet for
Yxy(29.9261, 0.3216, 0.4040)
contains.

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Color

Yxy(29.8409, 0.3218, 0.4027)

Conversions

Conversions Part 1

Format	Color
Hex	7F9D72
RGB	127, 157, 114
RGB Percent	50%, 62%, 45%
CMY	0.5019, 0.3843, 0.5530
CMYK	0.19, 0.00, 0.27, 0.38
HSL	102°, 18%, 53%
HSV	102°, 27%, 62%
XYZ	23.8460, 29.8409, 20.4151
YIQ	143.1280, -4.0770, -19.7330

Conversions

Conversions Part 2

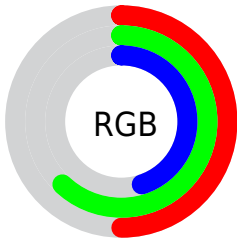
Format	Color
RYB	114, 157, 144
Decimal	8363378
CIELab	61.52, -18.77, 19.18
CIELCh	62, 26.836, 134.385
Yxy	29.8409, 0.3218, 0.4027
Android (android.graphics.Color)	4286553458 (0xFF7F9D72)
YUV	143.1280, -14.3601, -14.1443
Hunter-Lab	54.6268, -17.6770, 16.0809

Details

The Yxy color $29.8409, 0.3218, 0.4027$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $20.3908, 0.3003, 0.2595$, and the grayscale version is $27.5819, 0.3127, 0.3290$.

A 20% lighter version of the original color is $59.5434, 0.3203, 0.3872$, and $12.2792, 0.3225, 0.4306$ is the 20% darker color. If you saturate the color by 10%, you get $28.7195, 0.3244, 0.4336$, and if you desaturate by 10%, it is $31.1176, 0.3187, 0.3737$.

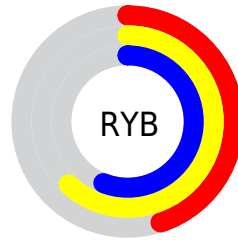
Distribution



Red (50%)

Green (62%)

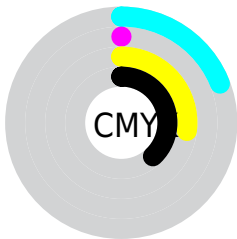
Blue (45%)



Red (45%)

Yellow (62%)

Blue (56%)

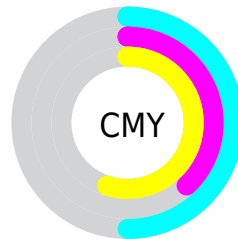


Cyan (19%)

Magenta (0%)

Yellow (27%)

Black (38%)



Cyan (50%)


Magenta (38%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8409, 0.3218, 0.4027 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 29.8409, 0.3218, 0.4027 by changing the saturation by 10% instead.


 29.8409, 0.3218,
0.4027

 29.8409, 0.3218,
0.4027


301.1621, 0.3177,
0.3618

 19.7179, 0.3225,
0.4145


 59.4105, 0.3205,
0.3867

 12.1901, 0.3232,
0.4307


 79.6258, 0.3199,
0.3811

 6.8733, 0.3236,
0.4542


 103.9740, 0.3195,
0.3764

 3.3830, 0.3225,
0.4913

 132.8395, 0.3190,
0.3725

 1.3348, 0.3528,
0.6250

166.6067, 0.3186,
0.3692

 0.1679, 0.0000,
1.0000

205.6599, 0.3183,

 0.0000, 0.0000,

0.3664

0.0000

250.3836, 0.3180,
0.3639

■ 29.8409, 0.3218,
0.4027

■ 29.8409, 0.3218,
0.4027

■ 28.7195, 0.3244,
0.4336

■ 31.1176, 0.3187,
0.3737

■ 27.7435, 0.3261,
0.4654

■ 32.5513, 0.3153,
0.3471

■ 26.9076, 0.3268,
0.4968


■ 34.1488, 0.3118,
0.3230

■ 26.2050, 0.3262,
0.5262


■ 35.9152, 0.3083,
0.3015

■ 25.6278, 0.3241,
0.5515


■ 37.8554, 0.3049,
0.2825

 25.1676, 0.3206,
0.5712


 39.9740, 0.3016,
0.2657

 24.8122, 0.3162,
0.5848

 42.2756, 0.2985,
0.2509

 24.7327, 0.3151,
0.5880

 44.7645, 0.2955,
0.2378

 47.4268, 0.2930,
0.2266

Harmonies

Analogous

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



29.8409, 0.3631, 0.4059



29.8409, 0.3218, 0.4027



29.8409, 0.2798, 0.3748

Triad

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



29.8409, 0.3218, 0.4027



29.8409, 0.2380, 0.2673



29.8409, 0.3809, 0.3201

Complementary

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



29.8409, 0.3218, 0.4027



20.3908, 0.3003, 0.2595

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.



29.8409, 0.3431, 0.2887



29.8409, 0.3218, 0.4027



29.8409, 0.2610, 0.2588

Square

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



29.8409, 0.3218, 0.4027



29.8409, 0.2334, 0.2932



29.8409, 0.2988, 0.2668



29.8409, 0.3992, 0.3552

Rectangle

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



29.8409, 0.3218, 0.4027



29.8409, 0.2569, 0.3473



29.8409, 0.2988, 0.2668



29.8409, 0.3700, 0.3089

Sweetspot

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



29.8422, 0.3218, 0.4027



58.0906, 0.3156, 0.3490



28.1417, 0.3581, 0.3758



12.6989, 0.3161, 0.3526



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.



29.8422, 0.3218, 0.4027



52.1574, 0.3235, 0.4218



29.0930, 0.3024, 0.3911



7.4936, 0.3160, 0.3518



20.1037, 0.3156, 0.5876



0.3801, 0.3457, 0.5637

Inverse Universe

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



20.3908, 0.3003, 0.2595



32.3030, 0.2967, 0.2428



21.3714, 0.3251, 0.2740



6.6537, 0.3092, 0.3066



4.6613, 0.2471, 0.1135



0.1042, 0.2783, 0.1306

Previews

White Background



This preview shows how the Yxy color 29.8409, 0.3218, 0.4027 looks on a white background.

Color Contrast Check

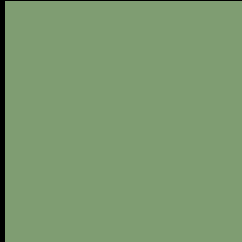
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8409, 0.3218, 0.4027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

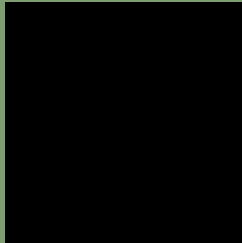
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.8409, 0.3218, 0.4027

Background



This preview shows how black text looks on a background with the Yxy color 29.8409, 0.3218, 0.4027.



This preview shows how white text looks on a background with the Yxy color 29.8409, 0.3218, 0.4027.

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

29.8409, 0.3218, 0.4027

Protanopia

29.6765, 0.3626, 0.3884

Deuteranopia

29.5146, 0.3738, 0.3663



Tritanopia

29.9285, 0.2865, 0.3099

Trichromacy



Original Color

29.8409, 0.3218, 0.4027

Protanomaly

29.4840, 0.3471, 0.3941

Deuteranomaly

29.1963, 0.3535, 0.3781

Tritanomaly

29.7323, 0.2994, 0.3421

Monochromacy



Original Color

29.8409, 0.3218, 0.4027

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.1641, 0.3166, 0.3557

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8409, 0.3218, 0.4027 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(127, 157, 114)` looks like.

```
.text, #text, p{  
    color:rgb(127, 157, 114)  
}
```

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(127, 157, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 157, 114) }
```

Border

The CSS property to change the border of an element to Yxy 29.8409, 0.3218, 0.4027 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(127, 157, 114) }
```

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

```
.border{ border-color:rgb(127, 157, 114) }
```

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

Here you see how a box with a 4 pixel rgb(127, 157, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 157, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 157, 114);  
box-shadow:4px 4px 4px 4px rgb(127, 157,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8409, 0.3218, 0.4027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 157, 114) }
```

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

```
.background{ background-color: rgb(127,  
157, 114) }
```

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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