

Converting Colors

$Y_{xy}(29.1130, 0.2978, 0.3744)$

Have a look what the booklet for
Yxy(29.1130, 0.2978, 0.3744)
contains.

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Color

$Y_{xy}(29.1016, 0.2974, 0.3743)$

Conversions

Conversions Part 1

Format	Color
Hex	749C82
RGB	116, 156, 130
RGB Percent	45%, 61%, 51%
CMY	0.5450, 0.3882, 0.4901
CMYK	0.26, 0.00, 0.17, 0.39
HSL	141°, 17%, 53%
HSV	141°, 26%, 61%
XYZ	23.1227, 29.1016, 25.5251
YIQ	141.0760, -15.4940, -16.5660

Conversions

Conversions Part 2

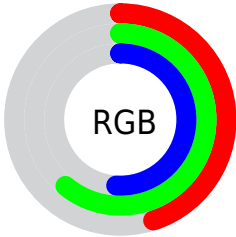
Format	Color
R_{YB}	116, 146, 156
Decimal	7642242
CIE _{Lab}	60.87, -19.21, 9.22
CIE _{LCh}	61, 21.307, 154.369
Yxy	29.1016, 0.2974, 0.3743
Android (android.graphics.Color)	4285832322 (0xFF749C82)
YUV	141.0760, -5.4605, -21.9917
Hunter-Lab	53.9459, -17.8954, 9.7084

Details

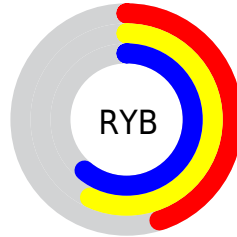
The Yxy color $29.1016, 0.2974, 0.3743$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $21.5147, 0.3321, 0.2877$, and the grayscale version is $26.6959, 0.3127, 0.3290$.

A 20% lighter version of the original color is $58.4424, 0.3009, 0.3648$, and $11.8905, 0.2916, 0.3917$ is the 20% darker color. If you saturate the color by 10%, you get $27.8629, 0.2920, 0.3954$, and if you desaturate by 10%, it is $30.5491, 0.3032, 0.3551$.

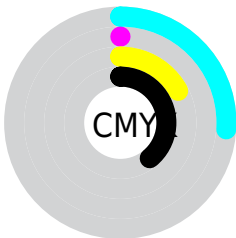
Distribution



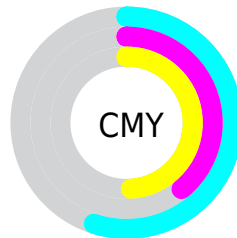
- Red (45%)
- Green (61%)
- Blue (51%)



- Red (45%)
- Yellow (57%)
- Blue (61%)



- Cyan (26%)
- Magenta (0%)
- Yellow (17%)
- Black (39%)





- Cyan (55%)
- Magenta (39%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1016, 0.2974, 0.3743 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 29.1016, 0.2974, 0.3743 by changing the saturation by 10% instead.


 29.1016, 0.2974,
0.3743


 29.1016, 0.2974,
0.3743


297.6940, 0.3060,
0.3492


 19.1577, 0.2949,
0.3816


 58.2385, 0.3008,
0.3645

 11.7843, 0.2914,
0.3916


 78.2002, 0.3020,
0.3610

 6.5970, 0.2861,
0.4063


 102.2700, 0.3029,
0.3582

 3.2113, 0.2776,
0.4299

130.8323, 0.3038,
0.3558

 1.2430, 0.2612,
0.4811

164.2715, 0.3044,
0.3538

 0.0964, 0.0000,
1.0000

202.9719, 0.3050,

 0.0000, 0.0000,

0.3520

0.0000

247.3179, 0.3056,
0.3505

■ 29.1016, 0.2974,
0.3743

■ 29.1016, 0.2974,
0.3743

■ 27.8629, 0.2920,
0.3954

■ 30.5491, 0.3032,
0.3551

■ 26.8196, 0.2872,
0.4182

■ 32.2108, 0.3093,
0.3379

■ 25.9623, 0.2835,
0.4423

■ 34.0965, 0.3154,
0.3225

■ 25.2796, 0.2810,
0.4670

■ 36.2141, 0.3213,
0.3090

■ 24.7585, 0.2802,
0.4915

■ 38.5714, 0.3271,
0.2972

■ 24.3842, 0.2810,
0.5148

■ 41.1757, 0.3326,
0.2869

■ 24.1371, 0.2834,
0.5359

■ 44.0338, 0.3378,
0.2778

■ 24.0490, 0.2846,
0.5445

■ 47.1526, 0.3428,
0.2700

■ 50.2694, 0.3462,
0.2628

Harmonies

Analogous

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



29.1016, 0.3322, 0.3905



29.1016, 0.2974, 0.3743



29.1016, 0.2679, 0.3438

Triad

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



29.1016, 0.2974, 0.3743



29.1016, 0.2631, 0.2728



29.1016, 0.3790, 0.3415

Complementary

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



29.1016, 0.2974, 0.3743



21.5147, 0.3321, 0.2877

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.



29.1016, 0.3585, 0.3130



29.1016, 0.2974, 0.3743



29.1016, 0.2906, 0.2747

Square

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



29.1016, 0.2974, 0.3743



29.1016, 0.2490, 0.2851



29.1016, 0.3255, 0.2892



29.1016, 0.3804, 0.3686

Rectangle

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



29.1016, 0.2974, 0.3743



29.1016, 0.2547, 0.3212



29.1016, 0.3255, 0.2892



29.1016, 0.3741, 0.3318

Sweetspot

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



29.1028, 0.2974, 0.3743



57.7045, 0.3078, 0.3420



30.7889, 0.3355, 0.3943



12.6008, 0.3069, 0.3444



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.



29.1028, 0.2974, 0.3743



51.4688, 0.2941, 0.3867



29.6925, 0.2809, 0.3390



7.4375, 0.3071, 0.3439



19.8155, 0.2842, 0.5431



0.3619, 0.2623, 0.4644

Inverse Universe

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



21.5147, 0.3321, 0.2877



35.1874, 0.3379, 0.2777



20.9674, 0.3574, 0.3193



6.7151, 0.3188, 0.3146



6.6081, 0.4312, 0.2149



0.1259, 0.3779, 0.1855

Previews

White Background



This preview shows how the Yxy color 29.1016, 0.2974, 0.3743 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 29.1016, 0.2974, 0.3743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

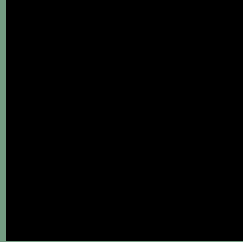
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.1016, 0.2974, 0.3743

Background



This preview shows how black text looks on a background with the Yxy color 29.1016, 0.2974, 0.3743.

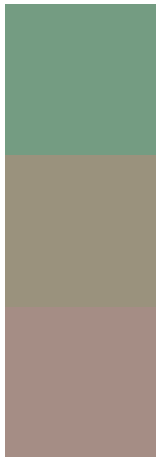


This preview shows how white text looks on a background with the Yxy color 29.1016, 0.2974, 0.3743.

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

29.1016, 0.2974, 0.3743

Protanopia

28.9085, 0.3424, 0.3625

Deuteranopia

28.7425, 0.3476, 0.3413



Tritanopia

28.9151, 0.2749, 0.3093

Trichromacy



Original Color

29.1016, 0.2974, 0.3743

Protanomaly

28.9204, 0.3243, 0.3671

Deuteranomaly

28.4268, 0.3276, 0.3517

Tritanomaly

29.0099, 0.2832, 0.3323

Monochromacy



Original Color

29.1016, 0.2974, 0.3743

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.2694, 0.3068, 0.3442

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1016, 0.2974, 0.3743 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(116, 156, 130)` looks like.

```
.text, #text, p{  
    color:rgb(116, 156, 130)  
}
```

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(116, 156, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 156, 130) }
```

Border

The CSS property to change the border of an element to Yxy 29.1016, 0.2974, 0.3743 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(116, 156, 130) }
```

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

```
.border{ border-color:rgb(116, 156, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 156, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 156, 130); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 156, 130); box-shadow:4px 4px 4px 4px rgb(116, 156, 130) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1016, 0.2974, 0.3743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 156, 130) }
```

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

```
.background{ background-color: rgb(116,  
156, 130) }
```

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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