

Converting Colors

$Y_{xy}(28.1741, 0.2974, 0.3949)$

Have a look what the booklet for
Yxy(28.1741, 0.2974, 0.3949)
contains.

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Color

Yxy(28.1972, 0.2968, 0.3943)

Conversions

Conversions Part 1

Format	Color
Hex	6A9C78
RGB	106, 156, 120
RGB Percent	42%, 61%, 47%
CMY	0.5842, 0.3882, 0.5294
CMYK	0.32, 0.00, 0.23, 0.39
HSL	137°, 20%, 51%
HSV	137°, 32%, 61%
XYZ	21.2248, 28.1972, 22.0901
YIQ	136.9460, -18.2440, -21.7960

Conversions

Conversions Part 2

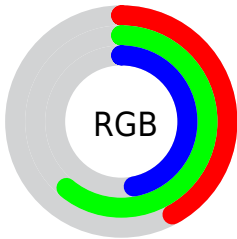
Format	Color
RYB	106, 145, 156
Decimal	6986872
CIELab	60.07, -24.53, 13.63
CIELCh	60, 28.060, 150.939
Yxy	28.1972, 0.2968, 0.3943
Android (android.graphics.Color)	4285176952 (0xFF6A9C78)
YUV	136.9460, -8.3544, -27.1396
Hunter-Lab	53.1010, -21.5794, 12.5060

Details

The Yxy color $28.1972, 0.2968, 0.3943$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $19.3367, 0.3337, 0.2717$, and the grayscale version is $25.0348, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.9380, 0.3010, 0.3805$, and $11.1963, 0.2898, 0.4204$ is the 20% darker color. If you saturate the color by 10%, you get $27.0705, 0.2925, 0.4191$, and if you desaturate by 10%, it is $29.5322, 0.3016, 0.3715$.

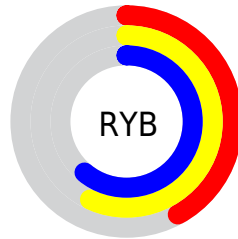
Distribution



Red (42%)

Green (61%)

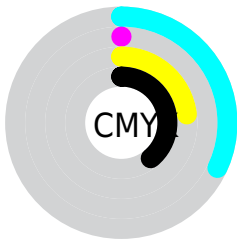
Blue (47%)



Red (42%)

Yellow (57%)

Blue (61%)

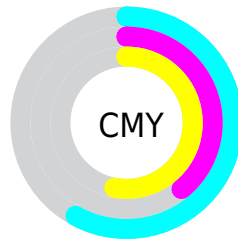


Cyan (32%)

Magenta (0%)

Yellow (23%)

Black (39%)



Cyan (58%)


Magenta (39%)


Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.1972, 0.2968, 0.3943 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 28.1972, 0.2968, 0.3943 by changing the saturation by 10% instead.


 28.1972, 0.2968,
0.3943


 28.1972, 0.2968,
0.3943


293.4080, 0.3061,
0.3576


 18.4744, 0.2939,
0.4051


 56.7991, 0.3006,
0.3798


 11.2911, 0.2897,
0.4202


 76.4470, 0.3019,
0.3747

 6.2630, 0.2833,
0.4427


 100.1720, 0.3029,
0.3706

 3.0056, 0.2722,
0.4793

 128.3586, 0.3038,
0.3671

 1.1347, 0.2481,
0.6115

161.3911, 0.3045,
0.3642

 0.0074, 0.0000,
1.0000

199.6539, 0.3051,

 0.0000, 0.0000,

0.3617

0.0000

243.5314, 0.3056,
0.3595

■ 28.1972, 0.2968,
0.3943

■ 28.1972, 0.2968,
0.3943

■ 27.0705, 0.2925,
0.4191

■ 29.5322, 0.3016,
0.3715

■ 26.1381, 0.2890,
0.4454

■ 31.0816, 0.3066,
0.3509

■ 25.3895, 0.2865,
0.4725


■ 32.8560, 0.3117,
0.3325

■ 24.8121, 0.2854,
0.4993


■ 34.8637, 0.3167,
0.3162

■ 24.3914, 0.2857,
0.5245

■ 37.1131, 0.3216,
0.3020

 24.1105, 0.2876,
0.5469

 39.6118, 0.3262,
0.2896

 23.9551, 0.2895,
0.5623

 42.3673, 0.3306,
0.2788

 45.3866, 0.3348,
0.2693

 48.6765, 0.3386,
0.2612

Harmonies

Analogous

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



28.1972, 0.3427, 0.4127



28.1972, 0.2968, 0.3943



28.1972, 0.2571, 0.3537

Triad

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



28.1972, 0.2968, 0.3943



28.1972, 0.2446, 0.2563



28.1972, 0.3994, 0.3398

Complementary

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



28.1972, 0.2968, 0.3943



19.3367, 0.3337, 0.2717

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.



28.1972, 0.3692, 0.3036



28.1972, 0.2968, 0.3943



28.1972, 0.2783, 0.2573

Square

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



28.1972, 0.2968, 0.3943



28.1972, 0.2288, 0.2734



28.1972, 0.3238, 0.2744



28.1972, 0.4039, 0.3761

Rectangle

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



28.1972, 0.2968, 0.3943



28.1972, 0.2389, 0.3227



28.1972, 0.3238, 0.2744



28.1972, 0.3919, 0.3274

Sweetspot

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



28.1984, 0.2968, 0.3943



57.0139, 0.3075, 0.3473



30.6282, 0.3454, 0.4106



12.4579, 0.3069, 0.3498



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.



28.1984, 0.2968, 0.3943



49.8004, 0.2938, 0.4108



28.8665, 0.2770, 0.3493



7.4300, 0.3080, 0.3455



19.7374, 0.2892, 0.5610



0.3596, 0.2684, 0.4860

Inverse Universe

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



19.3367, 0.3337, 0.2717



31.2737, 0.3394, 0.2595



18.6832, 0.3669, 0.3099



6.7229, 0.3178, 0.3130



6.7992, 0.4048, 0.2004



0.1283, 0.3650, 0.1784

Previews

White Background



This preview shows how the Yxy color 28.1972, 0.2968, 0.3943 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 28.1972, 0.2968, 0.3943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

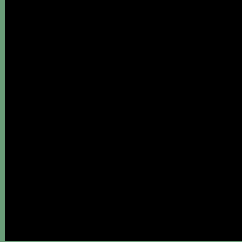
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.1972, 0.2968, 0.3943

Background



This preview shows how black text looks on a background with the Yxy color 28.1972, 0.2968, 0.3943.



This preview shows how white text looks on a background with the Yxy color 28.1972, 0.2968, 0.3943.

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

28.1972, 0.2968, 0.3943

Protanopia

27.9337, 0.3533, 0.3774

Deuteranopia

27.9198, 0.3581, 0.3522



Tritanopia

27.9987, 0.2688, 0.3088

Trichromacy



Original Color

28.1972, 0.2968, 0.3943

Protanomaly

27.6750, 0.3311, 0.3834

Deuteranomaly

27.6102, 0.3336, 0.3654

Tritanomaly

27.9426, 0.2785, 0.3376

Monochromacy



Original Color

28.1972, 0.2968, 0.3943

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.0208, 0.3064, 0.3517

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1972, 0.2968, 0.3943 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(106, 156, 120)` looks like.

```
.text, #text, p{  
    color:rgb(106, 156, 120)  
}
```

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(106, 156, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 156, 120) }
```

Border

The CSS property to change the border of an element to Yxy 28.1972, 0.2968, 0.3943 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(106, 156, 120) }
```

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

```
.border{ border-color:rgb(106, 156, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 156, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 156, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 156, 120);  
box-shadow:4px 4px 4px 4px rgb(106, 156,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1972, 0.2968, 0.3943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 156, 120) }
```

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

```
.background{ background-color: rgb(106,  
156, 120) }
```

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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