

Converting Colors

$Y_{xy}(28.2000, 0.2977, 0.3942)$

Have a look what the booklet for
Yxy(28.2000, 0.2977, 0.3942)
contains.

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Color

$Y_{xy}(28.2588, 0.2977, 0.3941)$

Conversions

Conversions Part 1

Format	Color
Hex	6B9C78
RGB	107, 156, 120
RGB Percent	42%, 61%, 47%
CMY	0.5802, 0.3883, 0.5294
CMYK	0.31, 0.00, 0.23, 0.39
HSL	136°, 20%, 52%
HSV	136°, 31%, 61%
XYZ	21.3465, 28.2588, 22.0994
YIQ	137.2450, -17.6480, -21.5840

Conversions

Conversions Part 2

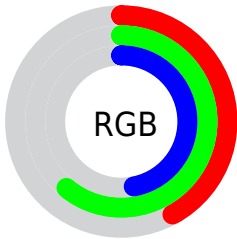
Format	Color
RYB	107, 146, 156
Decimal	7052408
CIELab	60.12, -24.19, 13.71
CIElCh	60, 27.802, 150.456
Yxy	28.2588, 0.2977, 0.3941
Android (android.graphics.Color)	4285242488 (0xFF6B9C78)
YUV	137.2450, -8.5018, -26.5249
Hunter-Lab	53.1590, -21.3500, 12.5631

Details

The Yxy color **28.2588, 0.2977, 0.3941** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.5775, 0.3323, 0.2718**, and the grayscale version is **25.1559, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.0407, 0.3017, 0.3804**, and **11.2254, 0.2910, 0.4201** is the 20% darker color. If you saturate the color by 10%, you get **27.1161, 0.2935, 0.4193**, and if you desaturate by 10%, it is **29.6117, 0.3023, 0.3709**.

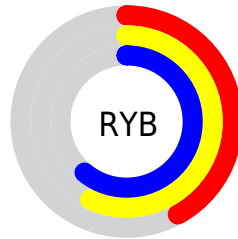
Distribution



Red (42%)

Green (61%)

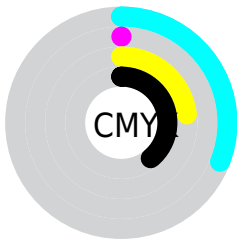
Blue (47%)



Red (42%)

Yellow (57%)

Blue (61%)

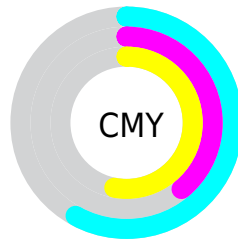


Cyan (31%)

Magenta (0%)

Yellow (23%)

Black (39%)



Cyan (58%)

Magenta (39%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2588, 0.2977, 0.3941 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 28.2588, 0.2977, 0.3941 by changing the saturation by 10% instead.


 28.2588, 0.2977,
0.3941


 28.2588, 0.2977,
0.3941


293.7015, 0.3065,
0.3575


 18.5208, 0.2949,
0.4049


 56.8974, 0.3013,
0.3797

 11.3246, 0.2910,
0.4199


 76.5668, 0.3025,
0.3746

 6.2856, 0.2848,
0.4422


 100.3154, 0.3035,
0.3705

 3.0195, 0.2742,
0.4786

 128.5277, 0.3043,
0.3670

 1.1419, 0.2527,
0.6080

161.5881, 0.3050,
0.3641

 0.0135, 0.0000,
1.0000

199.8809, 0.3056,

 0.0000, 0.0000,

0.3616

0.0000

243.7906, 0.3061,
0.3594

■ 28.2588, 0.2977,
0.3941

■ 28.2588, 0.2977,
0.3941

■ 27.1161, 0.2935,
0.4193

■ 29.6117, 0.3023,
0.3709

■ 26.1696, 0.2901,
0.4461

■ 31.1810, 0.3072,
0.3500

■ 25.4088, 0.2876,
0.4736


■ 32.9770, 0.3120,
0.3314


■ 24.8210, 0.2864,
0.5008


■ 35.0085, 0.3169,
0.3150

■ 24.3919, 0.2867,
0.5264

■ 37.2837, 0.3215,
0.3006


 24.1046, 0.2884,
0.5490

 39.8101, 0.3259,
0.2880

 23.9371, 0.2904,
0.5655

 42.5954, 0.3301,
0.2771

 45.6467, 0.3340,
0.2676

 48.9707, 0.3377,
0.2594

Harmonies

Analogous

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



28.2588, 0.3432, 0.4119



28.2588, 0.2977, 0.3941



28.2588, 0.2581, 0.3542

Triad

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



28.2588, 0.2977, 0.3941



28.2588, 0.2448, 0.2571



28.2588, 0.3982, 0.3391

Complementary

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



28.2588, 0.2977, 0.3941



19.5775, 0.3323, 0.2718

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.



28.2588, 0.3680, 0.3034



28.2588, 0.2977, 0.3941



28.2588, 0.2780, 0.2578

Square

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



28.2588, 0.2977, 0.3941



28.2588, 0.2294, 0.2744



28.2588, 0.3229, 0.2745



28.2588, 0.4032, 0.3751

Rectangle

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



28.2588, 0.2977, 0.3941



28.2588, 0.2400, 0.3236



28.2588, 0.3229, 0.2745



28.2588, 0.3906, 0.3268

Sweetspot

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



28.2600, 0.2977, 0.3941



57.3194, 0.3082, 0.3457



30.7451, 0.3456, 0.4086



12.5194, 0.3076, 0.3484



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.



28.2600, 0.2977, 0.3941



49.7644, 0.2946, 0.4125



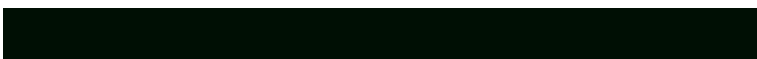
28.9101, 0.2783, 0.3503



7.4285, 0.3082, 0.3459



19.7235, 0.2901, 0.5643



0.3591, 0.2697, 0.4908

Inverse Universe

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



19.5775, 0.3323, 0.2718



31.3212, 0.3382, 0.2582



18.9319, 0.3643, 0.3090



6.7246, 0.3176, 0.3127



6.8419, 0.3996, 0.1975



0.1288, 0.3624, 0.1770

Previews

White Background



This preview shows how the Yxy color 28.2588, 0.2977, 0.3941 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 28.2588, 0.2977, 0.3941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

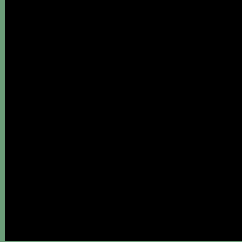
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.2588, 0.2977, 0.3941

Background



This preview shows how black text looks on a background with the Yxy color 28.2588, 0.2977, 0.3941.



This preview shows how white text looks on a background with the Yxy color 28.2588, 0.2977, 0.3941.

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

28.2588, 0.2977, 0.3941

Protanopia

27.9337, 0.3533, 0.3774

Deuteranopia

28.0275, 0.3593, 0.3521



Tritanopia

28.0662, 0.2696, 0.3089

Trichromacy



Original Color

28.2588, 0.2977, 0.3941

Protanomaly

27.6750, 0.3311, 0.3834

Deuteranomaly

27.7006, 0.3347, 0.3653

Tritanomaly

28.0078, 0.2793, 0.3376

Monochromacy



Original Color

28.2588, 0.2977, 0.3941

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 28.2588, 0.2977, 0.3941 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(107, 156, 120)` looks like.

```
.text, #text, p{  
    color:rgb(107, 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(107, 156, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 156, 120) }
```

Border

The CSS property to change the border of an element to Yxy 28.2588, 0.2977, 0.3941 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(107, 156, 120) }
```

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

```
.border{ border-color:rgb(107, 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(107, 156, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 156, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 156, 120);  
box-shadow:4px 4px 4px 4px rgb(107, 156,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2588, 0.2977, 0.3941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 156, 120) }
```

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

```
.background{ background-color: rgb(107,  
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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