

Converting Colors

$Y_{xy}(29.3334, 0.2972, 0.3655)$

Have a look what the booklet for
Yxy(29.3334, 0.2972, 0.3655)
contains.

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Color

$\text{Yxy}(29.4912, 0.2977, 0.3667)$

Conversions

Conversions Part 1

Format	Color
Hex	789C86
RGB	120, 156, 134
RGB Percent	47%, 61%, 53%
CMY	0.5293, 0.3883, 0.4744
CMYK	0.23, 0.00, 0.14, 0.39
HSL	143°, 15%, 54%
HSV	143°, 23%, 61%
XYZ	23.9420, 29.4912, 26.9900
YIQ	142.7280, -14.3940, -14.4740

Conversions

Conversions Part 2

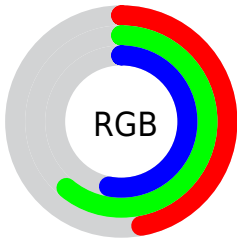
Format	Color
R_{YB}	120, 146, 156
Decimal	7904390
CIE _{Lab}	61.21, -17.04, 7.49
CIE _{LCh}	61, 18.612, 156.270
Yxy	29.4912, 0.2977, 0.3667
Android (android.graphics.Color)	4286094470 (0xFF789C86)
YUV	142.7280, -4.3029, -19.9325
Hunter-Lab	54.3058, -16.3392, 8.5469

Details

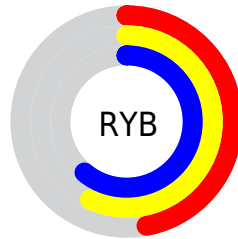
The Yxy color $29.4912, 0.2977, 0.3667$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $22.4632, 0.3314, 0.2941$, and the grayscale version is $27.3796, 0.3127, 0.3290$.

A 20% lighter version of the original color is $59.0606, 0.3011, 0.3593$, and $12.0828, 0.2931, 0.3828$ is the 20% darker color. If you saturate the color by 10%, you get $28.2118, 0.2917, 0.3860$, and if you desaturate by 10%, it is $30.9788, 0.3041, 0.3492$.

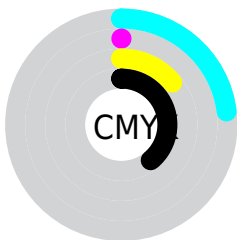
Distribution



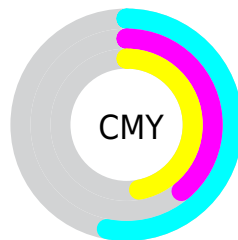
- Red (47%)
- Green (61%)
- Blue (53%)



- Red (47%)
- Yellow (57%)
- Blue (61%)



- Cyan (23%)
- Magenta (0%)
- Yellow (14%)
- Black (39%)



- Cyan (53%)
- Magenta (39%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.4912, 0.2977, 0.3667 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 29.4912, 0.2977, 0.3667 by changing the saturation by 10% instead.

 29.4912, 0.2977,
0.3667


 29.4912, 0.2977,
0.3667


299.5256, 0.3060,
0.3459

 19.4527, 0.2953,
0.3726


 58.8566, 0.3009,
0.3586

 11.9979, 0.2920,
0.3808


 78.9523, 0.3021,
0.3558

 6.7422, 0.2872,
0.3927


 103.1692, 0.3030,
0.3534

 3.3014, 0.2794,
0.4117

131.8917, 0.3038,
0.3514

 1.2910, 0.2650,
0.4478

165.5042, 0.3045,
0.3497

 0.1343, 0.0000,
1.0000

204.3911, 0.3051,

 0.0000, 0.0000,

0.3483

0.0000

248.9367, 0.3056,
0.3470

■ 29.4912, 0.2977,
0.3667

■ 29.4912, 0.2977,
0.3667

■ 28.2118, 0.2917,
0.3860

■ 30.9788, 0.3041,
0.3492

■ 27.1274, 0.2863,
0.4070

■ 32.6798, 0.3107,
0.3334

■ 26.2291, 0.2820,
0.4294

■ 34.6035, 0.3173,
0.3195

■ 25.5059, 0.2789,
0.4526

■ 36.7579, 0.3238,
0.3072

■ 24.9454, 0.2774,
0.4760

■ 39.1503, 0.3300,
0.2964

■ 24.5334, 0.2776,
0.4987

■ 41.7879, 0.3361,
0.2869

■ 24.2534, 0.2797,
0.5200

■ 44.6776, 0.3418,
0.2787

■ 24.1079, 0.2816,
0.5337

■ 47.8257, 0.3472,
0.2715

■ 50.1935, 0.3475,
0.2641

Harmonies

Analogous

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



29.4912, 0.3280, 0.3817



29.4912, 0.2977, 0.3667



29.4912, 0.2723, 0.3401

Triad

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



29.4912, 0.2977, 0.3667



29.4912, 0.2706, 0.2796



29.4912, 0.3709, 0.3418

Complementary

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



29.4912, 0.2977, 0.3667



22.4632, 0.3314, 0.2941

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.



29.4912, 0.3540, 0.3167



29.4912, 0.2977, 0.3667



29.4912, 0.2954, 0.2818

Square

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



29.4912, 0.2977, 0.3667



29.4912, 0.2573, 0.2898



29.4912, 0.3259, 0.2952



29.4912, 0.3711, 0.3652

Rectangle

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



29.4912, 0.2977, 0.3667



29.4912, 0.2612, 0.3207



29.4912, 0.3259, 0.2952



29.4912, 0.3670, 0.3334

Sweetspot

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



29.4924, 0.2977, 0.3667



58.0493, 0.3080, 0.3396



30.9014, 0.3320, 0.3876



12.7373, 0.3076, 0.3405



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.



29.4924, 0.2977, 0.3667



52.2454, 0.2943, 0.3771



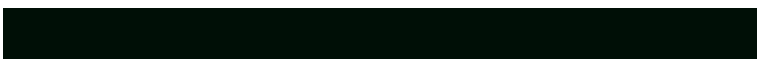
30.0312, 0.2829, 0.3359



7.4416, 0.3066, 0.3430



19.8657, 0.2812, 0.5323



0.3632, 0.2593, 0.4535

Inverse Universe

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



22.4632, 0.3314, 0.2941



37.0365, 0.3371, 0.2854



21.9709, 0.3533, 0.3223



6.7108, 0.3194, 0.3154



6.5147, 0.4462, 0.2232



0.1246, 0.3853, 0.1896

Previews

White Background



This preview shows how the Yxy color 29.4912, 0.2977, 0.3667 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 29.4912, 0.2977, 0.3667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

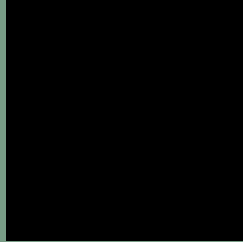
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.4912, 0.2977, 0.3667

Background



This preview shows how black text looks on a background with the Yxy color 29.4912, 0.2977, 0.3667.



This preview shows how white text looks on a background with the Yxy color 29.4912, 0.2977, 0.3667.

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

29.4912, 0.2977, 0.3667

Protanopia

29.3224, 0.3380, 0.3575

Deuteranopia

29.1515, 0.3431, 0.3367



Tritanopia

29.5724, 0.2777, 0.3095

Trichromacy



Original Color

29.4912, 0.2977, 0.3667

Protanomaly

29.2022, 0.3226, 0.3601

Deuteranomaly

29.0346, 0.3256, 0.3466

Tritanomaly

29.3675, 0.2851, 0.3289

Monochromacy



Original Color

29.4912, 0.2977, 0.3667

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.2242, 0.3070, 0.3423

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4912, 0.2977, 0.3667 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(120, 156, 134)` looks like.

```
.text, #text, p{  
    color:rgb(120, 156, 134)  
}
```

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(120, 156, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 156, 134) }
```

Border

The CSS property to change the border of an element to Yxy 29.4912, 0.2977, 0.3667 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(120, 156, 134) }
```

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

```
.border{ border-color:rgb(120, 156, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 156, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 156, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 156, 134);  
box-shadow:4px 4px 4px 4px rgb(120, 156,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4912, 0.2977, 0.3667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 156, 134) }
```

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

```
.background{ background-color: rgb(120,  
156, 134) }
```

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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