

Converting Colors

$Y_{xy}(29.8087, 0.2908, 0.3951)$

Have a look what the booklet for
Yxy(29.8087, 0.2908, 0.3951)
contains.

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Color

$Y_{xy}(29.8285, 0.2912, 0.3952)$

Conversions

Conversions Part 1

Format	Color
Hex	67A17C
RGB	103, 161, 124
RGB Percent	40%, 63%, 49%
CMY	0.5960, 0.3686, 0.5137
CMYK	0.36, 0.00, 0.23, 0.37
HSL	142°, 24%, 52%
HSV	142°, 36%, 63%
XYZ	21.9789, 29.8285, 23.6696
YIQ	139.4400, -22.6910, -23.8030

Conversions

Conversions Part 2

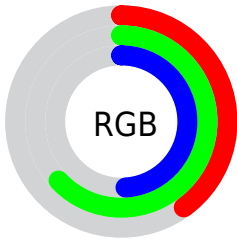
Format	Color
RYB	103, 146, 161
Decimal	6791548
CIELab	61.51, -27.18, 13.37
CIElCh	62, 30.293, 153.799
Yxy	29.8285, 0.2912, 0.3952
Android (android.graphics.Color)	4284981628 (0xFF67A17C)
YUV	139.4400, -7.6119, -31.9579
Hunter-Lab	54.6155, -23.7434, 12.5354

Details

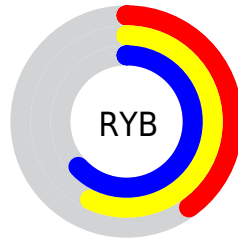
The Yxy color **29.8285, 0.2912, 0.3952** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.1767, 0.3435, 0.2712**, and the grayscale version is **26.0366, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.3540, 0.2958, 0.3801**, and **12.1753, 0.2821, 0.4212** is the 20% darker color. If you saturate the color by 10%, you get **28.7207, 0.2864, 0.4177**, and if you desaturate by 10%, it is **31.1491, 0.2968, 0.3743**.

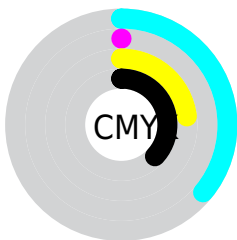
Distribution



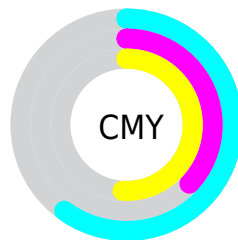
- Red (40%)
- Green (63%)
- Blue (49%)



- Red (40%)
- Yellow (57%)
- Blue (63%)



- Cyan (36%)
- Magenta (0%)
- Yellow (23%)
- Black (37%)




- Cyan (60%)
- Magenta (37%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.8285, 0.2912, 0.3952 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 29.8285, 0.2912, 0.3952 by changing the saturation by 10% instead.


 29.8285, 0.2912,
0.3952


 29.8285, 0.2912,
0.3952


301.1042, 0.3035,
0.3582


 19.7085, 0.2875,
0.4060


 59.3909, 0.2961,
0.3807


 12.1833, 0.2824,
0.4209


 79.6020, 0.2978,
0.3756

 6.8686, 0.2746,
0.4429


 103.9455, 0.2992,
0.3714

 3.3801, 0.2617,
0.4784

 132.8060, 0.3003,
0.3679

 1.3332, 0.2346,
0.5717

166.5676, 0.3013,
0.3649

 0.1667, 0.0000,
1.0000

205.6150, 0.3021,

 0.0000, 0.0000,

0.3624

0.0000

250.3324, 0.3028,
0.3602

■ 29.8285, 0.2912,
0.3952

■ 29.8285, 0.2912,
0.3952

■ 28.7207, 0.2864,
0.4177

■ 31.1491, 0.2968,
0.3743

■ 27.8108, 0.2826,
0.4415

■ 32.6895, 0.3027,
0.3554

■ 27.0874, 0.2801,
0.4659


■ 34.4605, 0.3090,
0.3383

■ 26.5365, 0.2793,
0.4900

■ 36.4714, 0.3152,
0.3232

■ 26.1421, 0.2802,
0.5130

■ 38.7309, 0.3214,
0.3098


 25.8825, 0.2827,
0.5340

 41.2472, 0.3273,
0.2981

 25.7974, 0.2838,
0.5418

 44.0282, 0.3330,
0.2878

 47.0814, 0.3384,
0.2789

 50.4140, 0.3436,
0.2711

Harmonies

Analogous

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



29.8285, 0.3397, 0.4174



29.8285, 0.2912, 0.3952



29.8285, 0.2506, 0.3504

Triad

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



29.8285, 0.2912, 0.3952



29.8285, 0.2434, 0.2516



29.8285, 0.4064, 0.3438

Complementary

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



29.8285, 0.2912, 0.3952



19.1767, 0.3435, 0.2712

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.



29.8285, 0.3766, 0.3055



29.8285, 0.2912, 0.3952



29.8285, 0.2804, 0.2545

Square

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



29.8285, 0.2912, 0.3952



29.8285, 0.2249, 0.2675



29.8285, 0.3291, 0.2739



29.8285, 0.4082, 0.3817

Rectangle

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



29.8285, 0.2912, 0.3952



29.8285, 0.2328, 0.3176



29.8285, 0.3291, 0.2739



29.8285, 0.3992, 0.3307

Sweetspot

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



29.8297, 0.2912, 0.3952



60.0156, 0.3057, 0.3469



32.1062, 0.3443, 0.4230



13.0760, 0.3049, 0.3491



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.8297, 0.2912, 0.3952



51.8432, 0.2874, 0.4126



30.6513, 0.2695, 0.3437



7.9354, 0.3069, 0.3437



20.6113, 0.2834, 0.5402



0.4419, 0.2627, 0.4657

Inverse Universe

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



19.1767, 0.3435, 0.2712



29.9649, 0.3526, 0.2588



18.4464, 0.3837, 0.3152



7.1585, 0.3190, 0.3148



6.8374, 0.4359, 0.2175



0.1522, 0.3851, 0.1895

Previews

White Background



This preview shows how the Yxy color 29.8285, 0.2912, 0.3952 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 29.8285, 0.2912, 0.3952 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 29.8285, 0.2912, 0.3952

Background



This preview shows how black text looks on a background with the Yxy color 29.8285, 0.2912, 0.3952.



This preview shows how white text looks on a background with the Yxy color 29.8285, 0.2912, 0.3952.

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

29.8285, 0.2912, 0.3952

Protanopia

29.6559, 0.3522, 0.3762

Deuteranopia

29.3395, 0.3573, 0.3502



Tritanopia

29.7146, 0.2636, 0.3075

Trichromacy



Original Color

29.8285, 0.2912, 0.3952

Protanomaly

29.4569, 0.3273, 0.3841

Deuteranomaly

29.0469, 0.3298, 0.3649

Tritanomaly

29.6322, 0.2736, 0.3374

Monochromacy



Original Color

29.8285, 0.2912, 0.3952

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

27.0243, 0.3035, 0.3514

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8285, 0.2912, 0.3952 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(103, 161, 124)` looks like.

```
.text, #text, p{  
    color:rgb(103, 161, 124)  
}
```

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(103, 161, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 161, 124) }
```

Border

The CSS property to change the border of an element to Yxy 29.8285, 0.2912, 0.3952 is called "border". The border property can be set on classes, ids or directly on the HTML element.

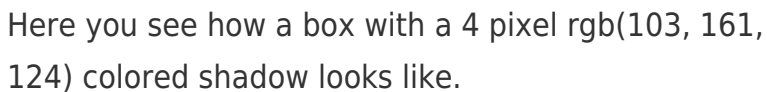
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(103, 161, 124) }
```

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

```
.border{ border-color:rgb(103, 161, 124) }
```

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



Here you see how a box with a 4 pixel `rgb(103, 161, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 161, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 161, 124);  
box-shadow:4px 4px 4px 4px rgb(103, 161,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8285, 0.2912, 0.3952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 161, 124) }
```

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

```
.background{ background-color: rgb(103,  
161, 124) }
```

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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