

Converting Colors

$Y_{xy}(29.4299, 0.2890, 0.4490)$

Have a look what the booklet for
Yxy(29.4299, 0.2890, 0.4490)
contains.

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Color

$Yxy(29.4893, 0.2889, 0.4485)$

Conversions

Conversions Part 1

Format	Color
Hex	4EA566
RGB	78, 165, 102
RGB Percent	31%, 65%, 40%
CMY	0.6942, 0.3529, 0.5999
CMYK	0.53, 0.00, 0.38, 0.35
HSL	137°, 36%, 48%
HSV	137°, 53%, 65%
XYZ	18.9954, 29.4893, 17.2662
YIQ	131.8050, -31.6290, -38.0370

Conversions

Conversions Part 2

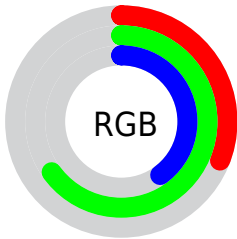
Format	Color
RYB	78, 146, 165
Decimal	5154150
CIELab	61.21, -40.48, 24.87
CIELCh	61, 47.506, 148.433
Yxy	29.4893, 0.2889, 0.4485
Android (android.graphics.Color)	4283344230 (0xFF4EA566)
YUV	131.8050, -14.6939, -47.1870
Hunter-Lab	54.3041, -32.5931, 19.1613

Details

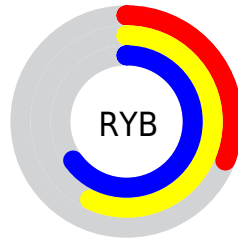
The Yxy color **29.4893, 0.2889, 0.4485** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **15.3695, 0.3526, 0.2352**, and the grayscale version is **23.0632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.0325, 0.2951, 0.4211**, and **11.9402, 0.2759, 0.4973** is the 20% darker color. If you saturate the color by 10%, you get **28.6587, 0.2866, 0.4758**, and if you desaturate by 10%, it is **30.5313, 0.2923, 0.4218**.

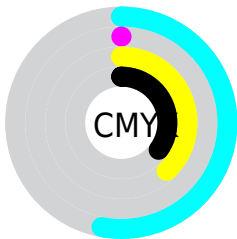
Distribution



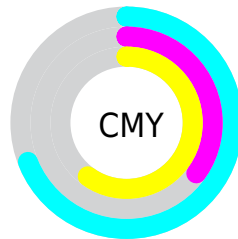
- Red (31%)
- Green (65%)
- Blue (40%)



- Red (31%)
- Yellow (57%)
- Blue (65%)



- Cyan (53%)
- Magenta (0%)
- Yellow (38%)
- Black (35%)





- Cyan (69%)
- Magenta (35%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.4893, 0.2889, 0.4485 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 29.4893, 0.2889, 0.4485 by changing the saturation by 10% instead.


 29.4893, 0.2889,
0.4485


 29.4893, 0.2889,
0.4485

299.5167, 0.3039,
0.3803

 19.4513, 0.2838,
0.4689


 58.8536, 0.2953,
0.4214


 11.9968, 0.2761,
0.4974


 78.9487, 0.2974,
0.4119


 6.7415, 0.2637,
0.5396


 103.1648, 0.2990,
0.4042

 3.3010, 0.2415,
0.6079

 131.8866, 0.3004,
0.3978

 1.2908, 0.1292,
0.8708

 165.4982, 0.3015,
0.3924

 0.1341, 0.0000,
1.0000

204.3842, 0.3024,

 0.0000, 0.0000,

0.3877

0.0000

248.9289, 0.3032,
0.3837

■ 29.4893, 0.2889,
0.4485

■ 29.4893, 0.2889,
0.4485

■ 28.6587, 0.2866,
0.4758

■ 30.5313, 0.2923,
0.4218

■ 28.0211, 0.2856,
0.5027

■ 31.7944, 0.2965,
0.3967

■ 27.5609, 0.2861,
0.5278

■ 33.2920, 0.3013,
0.3734

■ 27.2582, 0.2881,
0.5499

■ 35.0355, 0.3063,
0.3524

■ 27.1053, 0.2899,
0.5637

■ 37.0353, 0.3113,
0.3337

■ 39.3014, 0.3163,
0.3172

■ 41.8431, 0.3212,
0.3027

■ 44.6695, 0.3258,
0.2901

■ 47.7891, 0.3302,
0.2791

Harmonies

Analogous

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



29.4893, 0.3628, 0.4714



29.4893, 0.2889, 0.4485



29.4893, 0.2255, 0.3765

Triad

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



29.4893, 0.2889, 0.4485



29.4893, 0.2016, 0.2147



29.4893, 0.4551, 0.3358

Complementary

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



29.4893, 0.2889, 0.4485



15.3695, 0.3526, 0.2352

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.



29.4893, 0.4007, 0.2826



29.4893, 0.2889, 0.4485



29.4893, 0.2502, 0.2161

Square

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



29.4893, 0.2889, 0.4485



29.4893, 0.1807, 0.2400



29.4893, 0.3223, 0.2403



29.4893, 0.4633, 0.3926

Rectangle

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



29.4893, 0.2889, 0.4485



29.4893, 0.1972, 0.3210



29.4893, 0.3223, 0.2403



29.4893, 0.4415, 0.3173

Sweetspot

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



29.4905, 0.2889, 0.4485



61.5803, 0.3045, 0.3597



33.1945, 0.3635, 0.4650



13.3297, 0.3035, 0.3637



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



29.4905, 0.2889, 0.4485



51.1407, 0.2863, 0.4797



30.5659, 0.2592, 0.3653



7.9257, 0.3080, 0.3457



20.5121, 0.2894, 0.5620



0.4386, 0.2698, 0.4911

Inverse Universe

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



15.3695, 0.3526, 0.2352



23.1266, 0.3647, 0.2189



14.3346, 0.4253, 0.2979



7.1686, 0.3178, 0.3129



7.0758, 0.4038, 0.1998



0.1560, 0.3680, 0.1801

Previews

White Background



This preview shows how the Yxy color 29.4893, 0.2889, 0.4485 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 29.4893, 0.2889, 0.4485 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 29.4893, 0.2889, 0.4485

Background



This preview shows how black text looks on a background with the Yxy color 29.4893, 0.2889, 0.4485.



This preview shows how white text looks on a background with the Yxy color 29.4893, 0.2889, 0.4485.

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

29.4893, 0.2889, 0.4485

Protanopia

29.1672, 0.3792, 0.4097

Deuteranopia

29.1311, 0.3852, 0.3780



Tritanopia

29.4491, 0.2505, 0.3070

Trichromacy



Original Color

29.4893, 0.2889, 0.4485



Protanomaly

28.7389, 0.3398, 0.4252



Deuteranomaly

28.3423, 0.3435, 0.4030



Tritanomaly

29.3098, 0.2646, 0.3557

Monochromacy



Original Color

29.4893, 0.2889, 0.4485



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

24.7717, 0.3015, 0.3715

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4893, 0.2889, 0.4485 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(78, 165, 102)` looks like.

```
.text, #text, p{  
    color:rgb(78, 165, 102)  
}
```

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(78, 165, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 165, 102) }
```

Border

The CSS property to change the border of an element to Yxy 29.4893, 0.2889, 0.4485 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(78, 165, 102) }
```

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

```
.border{ border-color:rgb(78, 165, 102) }
```

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

Here you see how a box with a 4 pixel rgb(78, 165, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 165, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 165, 102);  
box-shadow:4px 4px 4px 4px rgb(78, 165,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4893, 0.2889, 0.4485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 165, 102) }
```

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

```
.background{ background-color: rgb(78, 165,  
102) }
```

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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