

Converting Colors

$Y_{xy}(29.1626, 0.3496, 0.4780)$

Have a look what the booklet for
Yxy(29.1626, 0.3496, 0.4780)
contains.

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Color

Yxy(29.3162, 0.3499, 0.4788)

Conversions

Conversions Part 1

Format	Color
Hex	799F47
RGB	121, 159, 71
RGB Percent	47%, 62%, 28%
CMY	0.5254, 0.3765, 0.7216
CMYK	0.24, 0.00, 0.55, 0.38
HSL	86°, 38%, 45%
HSV	86°, 55%, 62%
XYZ	21.4238, 29.3162, 10.4884
YIQ	137.6060, 5.6000, -35.4240

Conversions

Conversions Part 2

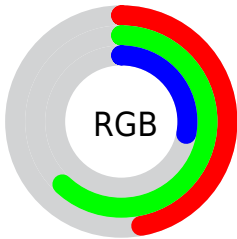
Format	Color
RYB	71, 159, 109
Decimal	7970631
CIELab	61.06, -27.86, 41.18
CIELCh	61, 49.721, 124.082
Yxy	29.3162, 0.3499, 0.4788
Android (android.graphics.Color)	4286160711 (0xFF799F47)
YUV	137.6060, -32.8368, -14.5635
Hunter-Lab	54.1444, -24.1240, 26.4159

Details

The Yxy color **29.3162, 0.3499, 0.4788** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **10.2564, 0.2508, 0.1736**, and the grayscale version is **25.3861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.6122, 0.3448, 0.4468**, and **11.8311, 0.3530, 0.5329** is the 20% darker color. If you saturate the color by 10%, you get **28.6612, 0.3529, 0.5045**, and if you desaturate by 10%, it is **30.0625, 0.3451, 0.4511**.

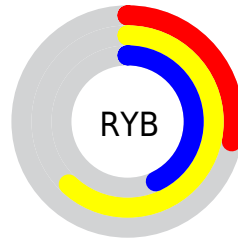
Distribution



Red (47%)

Green (62%)

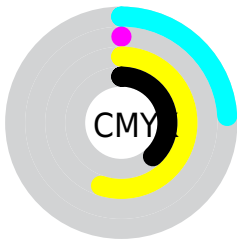
Blue (28%)



Red (28%)

Yellow (62%)

Blue (43%)

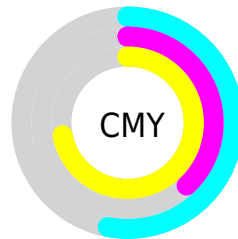


Cyan (24%)

Magenta (0%)

Yellow (55%)

Black (38%)



Cyan (53%)


Magenta (38%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.3162, 0.3499, 0.4788 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 29.3162, 0.3499, 0.4788 by changing the saturation by 10% instead.


 29.3162, 0.3499,
0.4788


 29.3162, 0.3499,
0.4788


298.7040, 0.3338,
0.3953


 19.3202, 0.3521,
0.5020


 58.5791, 0.3451,
0.4465


 11.9018, 0.3531,
0.5329


 78.6147, 0.3430,
0.4350


 6.6769, 0.3507,
0.5748


 102.7657, 0.3410,
0.4254

 3.2609, 0.3485,
0.6515

 131.4163, 0.3392,
0.4174

 1.2694, 0.2759,
0.7241

 164.9511, 0.3376,
0.4106

 0.1173, 0.0000,
1.0000

203.7544, 0.3362,

 0.0000, 0.0000,

0.4048

0.0000

248.2105, 0.3349,
0.3997

■ 29.3162, 0.3499,
0.4788

■ 29.3162, 0.3499,
0.4788

■ 28.6612, 0.3529,
0.5045

■ 30.0625, 0.3451,
0.4511

■ 28.0885, 0.3539,
0.5268

■ 30.9006, 0.3390,
0.4226

■ 27.5939, 0.3525,
0.5446

■ 31.8360, 0.3320,
0.3944

■ 27.1701, 0.3490,
0.5574

■ 32.8726, 0.3245,
0.3673

■ 26.9897, 0.3471,
0.5626

■ 34.0140, 0.3168,
0.3418

■ 35.2635, 0.3092,
0.3183

■ 36.6244, 0.3018,
0.2968

■ 38.0998, 0.2948,
0.2774

■ 39.6927, 0.2882,
0.2599

Harmonies

Analogous

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



29.3162, 0.4206, 0.4569



29.3162, 0.3499, 0.4788



29.3162, 0.2734, 0.4438

Triad

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



29.3162, 0.3499, 0.4788



29.3162, 0.1773, 0.2285



29.3162, 0.4186, 0.2901

Complementary

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



29.3162, 0.3499, 0.4788



10.2564, 0.2508, 0.1736

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.



29.3162, 0.3383, 0.2437



29.3162, 0.3499, 0.4788



29.3162, 0.2044, 0.2083

Square

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



29.3162, 0.3499, 0.4788



29.3162, 0.1792, 0.2804



29.3162, 0.2598, 0.2147



29.3162, 0.4675, 0.3464

Rectangle

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



29.3162, 0.3499, 0.4788



29.3162, 0.2295, 0.3916



29.3162, 0.2598, 0.2147



29.3162, 0.3937, 0.2731

Sweetspot

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



29.3175, 0.3499, 0.4788



58.4936, 0.3260, 0.3725



18.4788, 0.4355, 0.3876



13.1076, 0.3274, 0.3775



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.



29.3175, 0.3499, 0.4788



51.1252, 0.3533, 0.5090



26.8835, 0.3102, 0.4992



7.5778, 0.3198, 0.3515



21.3432, 0.3477, 0.5621



0.4063, 0.3768, 0.5390

Inverse Universe

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



10.2564, 0.2508, 0.1736



13.5614, 0.2336, 0.1410



13.6512, 0.3085, 0.1968



6.5682, 0.3052, 0.3063



2.9883, 0.1917, 0.0830



0.0779, 0.2381, 0.1085

Previews

White Background



This preview shows how the Yxy color 29.3162, 0.3499, 0.4788 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 29.3162, 0.3499, 0.4788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

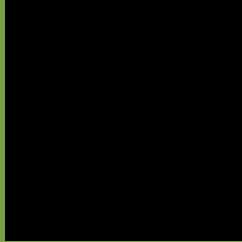
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.3162, 0.3499, 0.4788

Background



This preview shows how black text looks on a background with the Yxy color 29.3162, 0.3499, 0.4788.



This preview shows how white text looks on a background with the Yxy color 29.3162, 0.3499, 0.4788.

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

29.3162, 0.3499, 0.4788

Protanopia

29.0592, 0.4077, 0.4462

Deuteranopia

28.9813, 0.4254, 0.4178



Tritanopia

29.0546, 0.2862, 0.3097

Trichromacy



Original Color

29.3162, 0.3499, 0.4788

Protanomaly

28.8465, 0.3865, 0.4584

Deuteranomaly

28.7328, 0.3973, 0.4396

Tritanomaly

29.0081, 0.3117, 0.3715

Monochromacy



Original Color

29.3162, 0.3499, 0.4788

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.6782, 0.3291, 0.3845

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3162, 0.3499, 0.4788 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(121, 159, 71)` looks like.

```
.text, #text, p{  
    color:rgb(121, 159, 71)  
}
```

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(121, 159, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 159, 71) }
```

Border

The CSS property to change the border of an element to Yxy 29.3162, 0.3499, 0.4788 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(121, 159, 71) }
```

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

```
.border{ border-color:rgb(121, 159, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 159, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 159, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 159, 71);  
box-shadow:4px 4px 4px 4px rgb(121, 159,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3162, 0.3499, 0.4788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 159, 71) }
```

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

```
.background{ background-color: rgb(121,  
159, 71) }
```

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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