

Converting Colors

$Y_{xy}(29.7010, 0.3473, 0.4755)$

Have a look what the booklet for
Yxy(29.7010, 0.3473, 0.4755)
contains.

Yxy(29.7010, 0.3473, 0.4755)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.7010, 0.3473, 0.4755)

Conversions

Conversions Part 1

Format	Color
Hex	79A04A
RGB	121, 160, 74
RGB Percent	47%, 63%, 29%
CMY	0.5254, 0.3725, 0.7098
CMYK	0.24, 0.00, 0.54, 0.37
HSL	87°, 37%, 46%
HSV	87°, 54%, 63%
XYZ	21.6933, 29.7010, 11.0684
YIQ	138.5350, 4.3620, -35.0140

Conversions

Conversions Part 2

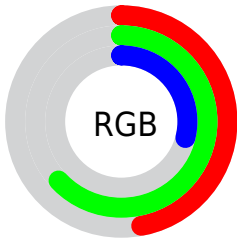
Format	Color
RYB	74, 160, 113
Decimal	7970890
CIELab	61.40, -28.04, 40.10
CIElCh	61, 48.930, 124.963
Yxy	29.7010, 0.3473, 0.4755
Android (android.graphics.Color)	4286160970 (0xFF79A04A)
YUV	138.5350, -31.8158, -15.3782
Hunter-Lab	54.4986, -24.3203, 26.1075

Details

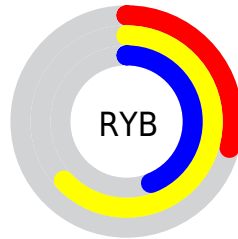
The Yxy color **29.7010, 0.3473, 0.4755** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **10.9465, 0.2554, 0.1792**, and the grayscale version is **25.7555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.1955, 0.3427, 0.4441**, and **12.0563, 0.3499, 0.5286** is the 20% darker color. If you saturate the color by 10%, you get **29.0087, 0.3503, 0.5020**, and if you desaturate by 10%, it is **30.4901, 0.3426, 0.4472**.

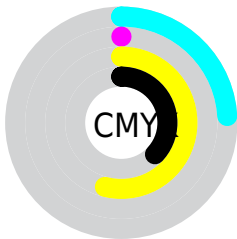
Distribution



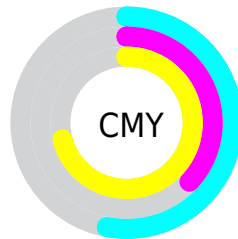
- Red (47%)
- Green (63%)
- Blue (29%)



- Red (29%)
- Yellow (63%)
- Blue (44%)



- Cyan (24%)
- Magenta (0%)
- Yellow (54%)
- Black (37%)





- Cyan (53%)
- Magenta (37%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7010, 0.3473, 0.4755 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 29.7010, 0.3473, 0.4755 by changing the saturation by 10% instead.


 29.7010, 0.3473,
0.4755


 29.7010, 0.3473,
0.4755


300.5083, 0.3324,
0.3939

 19.6117, 0.3493,
0.4983


 59.1890, 0.3429,
0.4439

 12.1131, 0.3502,
0.5286


 79.3565, 0.3409,
0.4326


 6.8208, 0.3479,
0.5701


 103.6523, 0.3391,
0.4233

 3.3503, 0.3488,
0.6512

 132.4607, 0.3374,
0.4155

 1.3172, 0.2809,
0.7191

 166.1661, 0.3360,
0.4088

 0.1545, 0.0000,
1.0000

205.1529, 0.3346,

 0.0000, 0.0000,

0.4031

0.0000

249.8055, 0.3335,
0.3982

■ 29.7010, 0.3473,
0.4755

■ 29.7010, 0.3473,
0.4755

■ 29.0087, 0.3503,
0.5020

■ 30.4901, 0.3426,
0.4472

■ 28.4043, 0.3513,
0.5253

■ 31.3769, 0.3367,
0.4184

■ 27.8833, 0.3500,
0.5443

■ 32.3668, 0.3300,
0.3902

■ 27.4390, 0.3466,
0.5581

■ 33.4639, 0.3228,
0.3632

■ 27.1905, 0.3439,
0.5652

■ 34.6718, 0.3154,
0.3379

■ 35.9942, 0.3082,
0.3147

■ 37.4344, 0.3012,
0.2936

■ 38.9956, 0.2945,
0.2746

■ 40.6809, 0.2883,
0.2574

Harmonies

Analogous

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



29.7010, 0.4171, 0.4560



29.7010, 0.3473, 0.4755



29.7010, 0.2722, 0.4393

Triad

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



29.7010, 0.3473, 0.4755



29.7010, 0.1799, 0.2294



29.7010, 0.4185, 0.2924

Complementary

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



29.7010, 0.3473, 0.4755



10.9465, 0.2554, 0.1792

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.



29.7010, 0.3404, 0.2463



29.7010, 0.3473, 0.4755



29.7010, 0.2075, 0.2102

Square

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



29.7010, 0.3473, 0.4755



29.7010, 0.1810, 0.2796



29.7010, 0.2629, 0.2171



29.7010, 0.4651, 0.3481

Rectangle

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



29.7010, 0.3473, 0.4755



29.7010, 0.2295, 0.3878



29.7010, 0.2629, 0.2171



29.7010, 0.3944, 0.2756

Sweetspot

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



29.7023, 0.3473, 0.4755



60.2308, 0.3246, 0.3699



19.7122, 0.4281, 0.3906



13.1247, 0.3260, 0.3750



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.



29.7023, 0.3473, 0.4755



52.4976, 0.3506, 0.5057



27.2691, 0.3081, 0.4950



7.5707, 0.3195, 0.3516



21.2070, 0.3445, 0.5647



0.4042, 0.3744, 0.5409

Inverse Universe

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



10.9465, 0.2554, 0.1792



14.9081, 0.2394, 0.1475



14.4744, 0.3127, 0.2016



6.5751, 0.3055, 0.3064



3.0922, 0.1956, 0.0851



0.0801, 0.2417, 0.1105

Previews

White Background



This preview shows how the Yxy color 29.7010, 0.3473, 0.4755 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 29.7010, 0.3473, 0.4755 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 29.7010, 0.3473, 0.4755

Background



This preview shows how black text looks on a background with the Yxy color 29.7010, 0.3473, 0.4755.



This preview shows how white text looks on a background with the Yxy color 29.7010, 0.3473, 0.4755.

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

29.7010, 0.3473, 0.4755

Protanopia

29.5145, 0.4056, 0.4432

Deuteranopia

29.4380, 0.4229, 0.4150



Tritanopia

29.7641, 0.2847, 0.3098

Trichromacy



Original Color

29.7010, 0.3473, 0.4755

Protanomaly

29.2073, 0.3835, 0.4557

Deuteranomaly

29.0866, 0.3940, 0.4370

Tritanomaly

29.4170, 0.3089, 0.3678

Monochromacy



Original Color

29.7010, 0.3473, 0.4755

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

27.0108, 0.3279, 0.3844

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7010, 0.3473, 0.4755 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, 160, 74)` looks like.

```
.text, #text, p{  
    color:rgb(121, 160, 74)  
}
```

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, 160, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 160, 74) }
```

Border

The CSS property to change the border of an element to Yxy 29.7010, 0.3473, 0.4755 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, 160, 74) }
```

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

```
.border{ border-color:rgb(121, 160, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 160, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 160, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 160, 74);  
box-shadow:4px 4px 4px 4px rgb(121, 160,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7010, 0.3473, 0.4755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 160, 74) }
```

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

```
.background{ background-color: rgb(121,  
160, 74) }
```

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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