

Converting Colors

$Y_{xy}(28.4745, 0.3373, 0.4737)$

Have a look what the booklet for
Yxy(28.4745, 0.3373, 0.4737)
contains.

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Color

Yxy(28.4343, 0.3368, 0.4729)

Conversions

Conversions Part 1

Format	Color
Hex	709E4D
RGB	112, 158, 77
RGB Percent	44%, 62%, 30%
CMY	0.5607, 0.3804, 0.6980
CMYK	0.29, 0.00, 0.51, 0.38
HSL	94°, 34%, 46%
HSV	94°, 51%, 62%
XYZ	20.2509, 28.4343, 11.4423
YIQ	135.0120, -1.4150, -34.9430

Conversions

Conversions Part 2

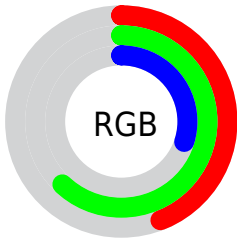
Format	Color
R_{YB}	77, 158, 123
Decimal	7380557
CIE _{Lab}	60.28, -30.16, 37.14
CIE _{LCh}	60, 47.837, 129.078
Yxy	28.4343, 0.3368, 0.4729
Android (android.graphics.Color)	4285570637 (0xFF709E4D)
YUV	135.0120, -28.5999, -20.1815
Hunter-Lab	53.3238, -25.5272, 24.6042

Details

The Yxy color **28.4343, 0.3368, 0.4729** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **11.9858, 0.2708, 0.1910**, and the grayscale version is **24.3442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2540, 0.3343, 0.4409**, and **11.3840, 0.3377, 0.5274** is the 20% darker color. If you saturate the color by 10%, you get **27.6793, 0.3386, 0.5018**, and if you desaturate by 10%, it is **29.3045, 0.3336, 0.4428**.

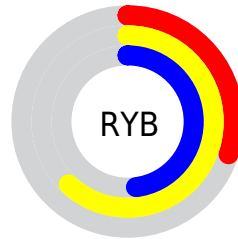
Distribution



Red (44%)

Green (62%)

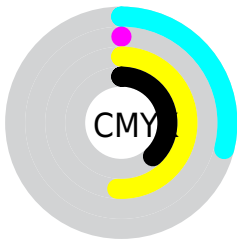
Blue (30%)



Red (30%)

Yellow (62%)

Blue (48%)

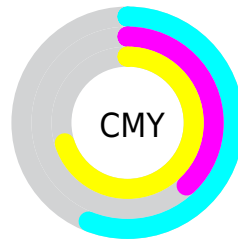


Cyan (29%)

Magenta (0%)

Yellow (51%)

Black (38%)



Cyan (56%)


Magenta (38%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.4343, 0.3368, 0.4729 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 28.4343, 0.3368, 0.4729 by changing the saturation by 10% instead.

 28.4343, 0.3368,
0.4729


 28.4343, 0.3368,
0.4729


294.5364, 0.3272,
0.3916

 18.6533, 0.3375,
0.4963


 57.1771, 0.3343,
0.4410


 11.4200, 0.3369,
0.5279


 76.9076, 0.3330,
0.4298

 6.3501, 0.3326,
0.5722


 100.7235, 0.3318,
0.4205

 3.0591, 0.3333,
0.6667

 129.0091, 0.3307,
0.4128

 1.1627, 0.2291,
0.7709

 162.1488, 0.3297,
0.4063

 0.0309, 0.0000,
1.0000

200.5270, 0.3288,

 0.0000, 0.0000,

0.4007

0.0000

244.5280, 0.3279,
0.3958

■ 28.4343, 0.3368,
0.4729

■ 28.4343, 0.3368,
0.4729

■ 27.6793, 0.3386,
0.5018

■ 29.3045, 0.3336,
0.4428

■ 27.0303, 0.3386,
0.5280

■ 30.2916, 0.3293,
0.4128

■ 26.4820, 0.3367,
0.5499

■ 31.4016, 0.3243,
0.3839

■ 26.0272, 0.3329,
0.5664

■ 32.6390, 0.3189,
0.3569

■ 25.6937, 0.3287,
0.5772

■ 34.0082, 0.3134,
0.3320

■ 35.5132, 0.3079,
0.3094

■ 37.1579, 0.3026,
0.2891

■ 38.9460, 0.2976,
0.2710

■ 40.8812, 0.2928,
0.2548

Harmonies

Analogous

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



28.4343, 0.4080, 0.4602



28.4343, 0.3368, 0.4729



28.4343, 0.2631, 0.4291

Triad

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



28.4343, 0.3368, 0.4729



28.4343, 0.1829, 0.2258



28.4343, 0.4265, 0.3000

Complementary

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



28.4343, 0.3368, 0.4729



11.9858, 0.2708, 0.1910

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.



28.4343, 0.3515, 0.2523



28.4343, 0.3368, 0.4729



28.4343, 0.2141, 0.2105

Square

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



28.4343, 0.3368, 0.4729



28.4343, 0.1800, 0.2713



28.4343, 0.2728, 0.2206



28.4343, 0.4665, 0.3560

Rectangle

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



28.4343, 0.3368, 0.4729



28.4343, 0.2227, 0.3755



28.4343, 0.2728, 0.2206



28.4343, 0.4039, 0.2828

Sweetspot

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



28.4355, 0.3368, 0.4729



58.3397, 0.3211, 0.3675



21.9460, 0.4128, 0.4025



13.0520, 0.3222, 0.3729



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.



28.4355, 0.3368, 0.4729



50.0221, 0.3387, 0.5072



26.6465, 0.3016, 0.4776



7.5343, 0.3178, 0.3517



20.6009, 0.3293, 0.5767



0.3929, 0.3617, 0.5510

Inverse Universe

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



11.9858, 0.2708, 0.1910



16.5977, 0.2576, 0.1598



14.8637, 0.3257, 0.2155



6.6116, 0.3072, 0.3065



3.7288, 0.2180, 0.0975



0.0914, 0.2597, 0.1204

Previews

White Background



This preview shows how the Yxy color 28.4343, 0.3368, 0.4729 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 28.4343, 0.3368, 0.4729 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 28.4343, 0.3368, 0.4729

Background



This preview shows how black text looks on a background with the Yxy color 28.4343, 0.3368, 0.4729.



This preview shows how white text looks on a background with the Yxy color 28.4343, 0.3368, 0.4729.

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

28.4343, 0.3368, 0.4729

Protanopia

28.2054, 0.4009, 0.4379

Deuteranopia

28.1333, 0.4179, 0.4091



Tritanopia

28.4281, 0.2789, 0.3093

Trichromacy



Original Color

28.4343, 0.3368, 0.4729

Protanomaly

28.1467, 0.3768, 0.4519

Deuteranomaly

27.6023, 0.3865, 0.4318

Tritanomaly

28.0612, 0.3011, 0.3674

Monochromacy



Original Color

28.4343, 0.3368, 0.4729

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.3719, 0.3242, 0.3806

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4343, 0.3368, 0.4729 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(112, 158, 77)` looks like.

```
.text, #text, p{  
    color:rgb(112, 158, 77)  
}
```

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(112, 158, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 158, 77) }
```

Border

The CSS property to change the border of an element to Yxy 28.4343, 0.3368, 0.4729 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(112, 158, 77) }
```

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

```
.border{ border-color:rgb(112, 158, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 158, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 158, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 158, 77);  
box-shadow:4px 4px 4px 4px rgb(112, 158,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4343, 0.3368, 0.4729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 158, 77) }
```

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

```
.background{ background-color: rgb(112,  
158, 77) }
```

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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