

Converting Colors

$Yxy(28.6215, 0.3334, 0.4686)$

Have a look what the booklet for
Yxy(28.6215, 0.3334, 0.4686)
contains.

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Color

Yxy(28.7550, 0.3332, 0.4697)

Conversions

Conversions Part 1

Format	Color
Hex	6F9F50
RGB	111, 159, 80
RGB Percent	44%, 62%, 31%
CMY	0.5649, 0.3764, 0.6862
CMYK	0.30, 0.00, 0.50, 0.38
HSL	96°, 33%, 47%
HSV	96°, 50%, 62%
XYZ	20.3985, 28.7550, 12.0664
YIQ	135.6420, -3.2490, -34.7450

Conversions

Conversions Part 2

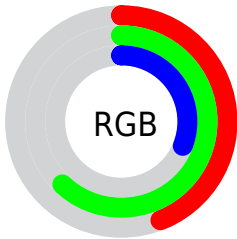
Format	Color
R_{YB}	80, 159, 128
Decimal	7315280
CIE _{Lab}	60.56, -30.66, 35.94
CIE _{LCh}	61, 47.245, 130.468
Yxy	28.7550, 0.3332, 0.4697
Android (android.graphics.Color)	4285505360 (0xFF6F9F50)
YUV	135.6420, -27.4315, -21.6110
Hunter-Lab	53.6237, -25.9400, 24.1951

Details

The Yxy color **28.7550, 0.3332, 0.4697** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **12.8364, 0.2766, 0.1969**, and the grayscale version is **24.5832, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.7312, 0.3315, 0.4383**, and **11.5750, 0.3336, 0.5241** is the 20% darker color. If you saturate the color by 10%, you get **27.9548, 0.3347, 0.4996**, and if you desaturate by 10%, it is **29.6813, 0.3304, 0.4389**.

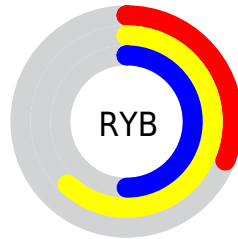
Distribution



Red (44%)

Green (62%)

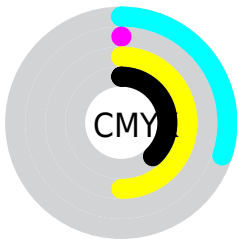
Blue (31%)



Red (31%)

Yellow (62%)

Blue (50%)

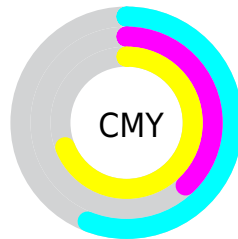


Cyan (30%)

Magenta (0%)

Yellow (50%)

Black (38%)



Cyan (56%)


Magenta (38%)

Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7550, 0.3332, 0.4697 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 28.7550, 0.3332, 0.4697 by changing the saturation by 10% instead.


 28.7550, 0.3332,
0.4697


 28.7550, 0.3332,
0.4697


296.0572, 0.3253,
0.3902

 18.8956, 0.3336,
0.4926


 57.6876, 0.3313,
0.4385

 11.5948, 0.3326,
0.5238

 77.5296, 0.3303,
0.4275


 6.4684, 0.3281,
0.5677


 101.4678, 0.3293,
0.4185

 3.1320, 0.3318,
0.6682

 129.8867, 0.3283,
0.4109

 1.2010, 0.2322,
0.7678

 163.1707, 0.3275,
0.4045

 0.0625, 0.0000,
1.0000

201.7042, 0.3267,

 0.0000, 0.0000,

0.3991

0.0000

245.8716, 0.3260,
0.3943

■ 28.7550, 0.3332,
0.4697

■ 28.7550, 0.3332,
0.4697

■ 27.9548, 0.3347,
0.4996

■ 29.6813, 0.3304,
0.4389

■ 27.2707, 0.3345,
0.5269

■ 30.7355, 0.3266,
0.4086

■ 26.6973, 0.3326,
0.5501


■ 31.9242, 0.3222,
0.3797

■ 26.2269, 0.3289,
0.5679


■ 33.2523, 0.3174,
0.3528


■ 25.8448, 0.3241,
0.5806


■ 34.7245, 0.3126,
0.3283

 25.8336, 0.3240,
0.5810

 36.3452, 0.3077,
0.3061

 38.1187, 0.3030,
0.2862

 40.0491, 0.2985,
0.2686

 42.1402, 0.2942,
0.2529

Harmonies

Analogous

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



28.7550, 0.4039, 0.4599



28.7550, 0.3332, 0.4697



28.7550, 0.2609, 0.4240

Triad

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



28.7550, 0.3332, 0.4697



28.7550, 0.1854, 0.2260



28.7550, 0.4275, 0.3029

Complementary

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



28.7550, 0.3332, 0.4697



12.8364, 0.2766, 0.1969

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.



28.7550, 0.3546, 0.2552



28.7550, 0.3332, 0.4697



28.7550, 0.2176, 0.2120

Square

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



28.7550, 0.3332, 0.4697



28.7550, 0.1813, 0.2695



28.7550, 0.2768, 0.2231



28.7550, 0.4647, 0.3586

Rectangle

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



28.7550, 0.3332, 0.4697



28.7550, 0.2218, 0.3709



28.7550, 0.2768, 0.2231



28.7550, 0.4058, 0.2858

Sweetspot

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



28.7562, 0.3332, 0.4697



58.1795, 0.3201, 0.3676



23.2364, 0.4070, 0.4043



13.0119, 0.3211, 0.3730



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.



28.7562, 0.3332, 0.4697



49.8659, 0.3348, 0.5038



27.2089, 0.3000, 0.4673



7.5215, 0.3172, 0.3517



20.4242, 0.3246, 0.5805



0.3889, 0.3569, 0.5548

Inverse Universe

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



12.8364, 0.2766, 0.1969



17.8801, 0.2653, 0.1672



15.3490, 0.3290, 0.2218



6.6248, 0.3078, 0.3065



3.9962, 0.2268, 0.1023



0.0954, 0.2657, 0.1237

Previews

White Background



This preview shows how the Yxy color 28.7550, 0.3332, 0.4697 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 28.7550, 0.3332, 0.4697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

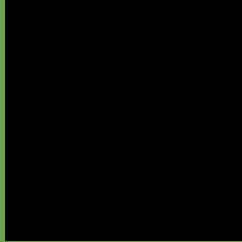
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.7550, 0.3332, 0.4697

Background



This preview shows how black text looks on a background with the Yxy color 28.7550, 0.3332, 0.4697.



This preview shows how white text looks on a background with the Yxy color 28.7550, 0.3332, 0.4697.

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

28.7550, 0.3332, 0.4697

Protanopia

28.6428, 0.3995, 0.4360

Deuteranopia

28.4682, 0.4141, 0.4065



Tritanopia

28.7064, 0.2773, 0.3093

Trichromacy



Original Color

28.7550, 0.3332, 0.4697

Protanomaly

28.5087, 0.3737, 0.4488

Deuteranomaly

27.9546, 0.3831, 0.4288

Tritanomaly

28.3703, 0.2984, 0.3655

Monochromacy



Original Color

28.7550, 0.3332, 0.4697

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.7195, 0.3221, 0.3786

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7550, 0.3332, 0.4697 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(111, 159, 80)` looks like.

```
.text, #text, p{  
    color:rgb(111, 159, 80)  
}
```

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(111, 159, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 159, 80) }
```

Border

The CSS property to change the border of an element to Yxy 28.7550, 0.3332, 0.4697 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(111, 159, 80) }
```

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

```
.border{ border-color:rgb(111, 159, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 159, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 159, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 159, 80);  
box-shadow:4px 4px 4px 4px rgb(111, 159,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7550, 0.3332, 0.4697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 159, 80) }
```

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

```
.background{ background-color: rgb(111,  
159, 80) }
```

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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