

Converting Colors

$Y_{xy}(28.3726, 0.3632, 0.4574)$

Have a look what the booklet for
Yxy(28.3726, 0.3632, 0.4574)
contains.

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Color

Yxy(28.3726, 0.3632, 0.4574)

Conversions

Conversions Part 1

Format	Color
Hex	86994C
RGB	134, 153, 76
RGB Percent	53%, 60%, 30%
CMY	0.4744, 0.4000, 0.7019
CMYK	0.12, 0.00, 0.50, 0.40
HSL	75°, 34%, 45%
HSV	75°, 50%, 60%
XYZ	22.5294, 28.3726, 11.1282
YIQ	138.5410, 13.3930, -27.9750

Conversions

Conversions Part 2

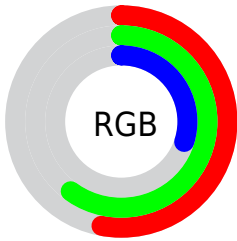
Format	Color
R_{YB}	76, 153, 95
Decimal	8821068
CIE _{Lab}	60.22, -19.11, 37.91
CIE _{LCh}	60, 42.457, 116.755
Yxy	28.3726, 0.3632, 0.4574
Android (android.graphics.Color)	4287011148 (0xFF86994C)
YUV	138.5410, -30.8327, -3.9825
Hunter-Lab	53.2659, -17.7170, 24.8994

Details

The Yxy color **28.3726, 0.3632, 0.4574** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.9030, 0.2403, 0.1823**, and the grayscale version is **25.7518, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.9768, 0.3552, 0.4294**, and **11.3757, 0.3731, 0.5035** is the 20% darker color. If you saturate the color by 10%, you get **27.8812, 0.3703, 0.4809**, and if you desaturate by 10%, it is **28.9282, 0.3545, 0.4320**.

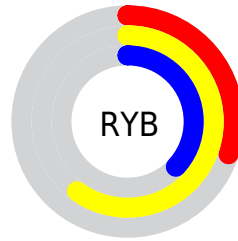
Distribution



Red (53%)

Green (60%)

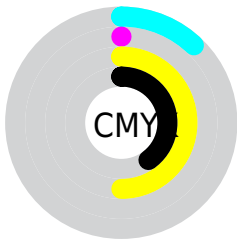
Blue (30%)



Red (30%)

Yellow (60%)

Blue (37%)

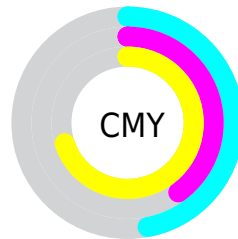


Cyan (12%)

Magenta (0%)

Yellow (50%)

Black (40%)



Cyan (47%)


Magenta (40%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.3726, 0.3632, 0.4574 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 28.3726, 0.3632, 0.4574 by changing the saturation by 10% instead.

 28.3726, 0.3632,
0.4574

 28.3726, 0.3632,
0.4574


294.2431, 0.3387,
0.3864


 18.6067, 0.3682,
0.4770


 57.0788, 0.3549,
0.4301


 11.3865, 0.3735,
0.5028


 76.7878, 0.3515,
0.4203


 6.3274, 0.3777,
0.5378


 100.5801, 0.3486,
0.4122

 3.0452, 0.3911,
0.6089

 128.8400, 0.3461,
0.4054

 1.1554, 0.3452,
0.6548

 161.9518, 0.3439,
0.3996

 0.0248, 0.0000,
1.0000

200.3000, 0.3419,

 0.0000, 0.0000,

0.3946

0.0000

244.2690, 0.3402,
0.3902

■ 28.3726, 0.3632,
0.4574

■ 28.3726, 0.3632,
0.4574

■ 27.8812, 0.3703,
0.4809

■ 28.9282, 0.3545,
0.4320

■ 27.4464, 0.3754,
0.5015

■ 29.5477, 0.3447,
0.4057

■ 27.0653, 0.3781,
0.5181

■ 30.2353, 0.3342,
0.3794

■ 26.7329, 0.3784,
0.5304

■ 30.9941, 0.3236,
0.3540

■ 26.4456, 0.3769,
0.5389

■ 31.8266, 0.3130,
0.3297

■ 32.7355, 0.3028,
0.3071

■ 33.7232, 0.2931,
0.2863

■ 34.7920, 0.2840,
0.2672

■ 35.9441, 0.2755,
0.2499

Harmonies

Analogous

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



28.3726, 0.4206, 0.4329



28.3726, 0.3632, 0.4574



28.3726, 0.2956, 0.4384

Triad

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



28.3726, 0.3632, 0.4574



28.3726, 0.1909, 0.2504



28.3726, 0.3889, 0.2843

Complementary

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



28.3726, 0.3632, 0.4574



9.9030, 0.2403, 0.1823

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.



28.3726, 0.3178, 0.2458



28.3726, 0.3632, 0.4574



28.3726, 0.2090, 0.2248

Square

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



28.3726, 0.3632, 0.4574



28.3726, 0.1997, 0.3036



28.3726, 0.2528, 0.2245



28.3726, 0.4399, 0.3335

Rectangle

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



28.3726, 0.3632, 0.4574



28.3726, 0.2541, 0.4001



28.3726, 0.2528, 0.2245



28.3726, 0.3660, 0.2699

Sweetspot

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



28.3739, 0.3632, 0.4574



54.8148, 0.3289, 0.3665



15.2952, 0.4333, 0.3594



12.0464, 0.3310, 0.3714



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



28.3739, 0.3632, 0.4574



49.8609, 0.3708, 0.4828



25.8205, 0.3237, 0.4756



7.1462, 0.3224, 0.3512



21.8731, 0.3773, 0.5387



0.3435, 0.3972, 0.5228

Inverse Universe

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



9.9030, 0.2403, 0.1823



13.0424, 0.2210, 0.1483



12.4138, 0.2894, 0.2005



6.0962, 0.3024, 0.3063



2.2509, 0.1659, 0.0688



0.0487, 0.2063, 0.0910

Previews

White Background



This preview shows how the Yxy color 28.3726, 0.3632, 0.4574 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 28.3726, 0.3632, 0.4574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

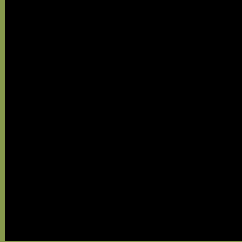
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3726, 0.3632, 0.4574

Background



This preview shows how black text looks on a background with the Yxy color 28.3726, 0.3632, 0.4574.



This preview shows how white text looks on a background with the Yxy color 28.3726, 0.3632, 0.4574.

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

28.3726, 0.3632, 0.4574

Protanopia

28.2054, 0.4009, 0.4379

Deuteranopia

28.1033, 0.4199, 0.4116



Tritanopia

28.2761, 0.3012, 0.3100

Trichromacy



Original Color

28.3726, 0.3632, 0.4574

Protanomaly

28.2535, 0.3874, 0.4451

Deuteranomaly

27.7865, 0.3983, 0.4267

Tritanomaly

27.9752, 0.3248, 0.3623

Monochromacy



Original Color

28.3726, 0.3632, 0.4574

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.5258, 0.3331, 0.3769

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3726, 0.3632, 0.4574 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(134, 153, 76)` looks like.

```
.text, #text, p{  
    color:rgb(134, 153, 76)  
}
```

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(134, 153, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 153, 76) }
```

Border

The CSS property to change the border of an element to Yxy 28.3726, 0.3632, 0.4574 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(134, 153, 76) }
```

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

```
.border{ border-color:rgb(134, 153, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 153, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 153, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 153, 76);  
box-shadow:4px 4px 4px 4px rgb(134, 153,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3726, 0.3632, 0.4574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 153, 76) }
```

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

```
.background{ background-color: rgb(134,  
153, 76) }
```

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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