

Converting Colors

$Y_{xy}(27.6549, 0.3522, 0.4498)$

Have a look what the booklet for
Yxy(27.6549, 0.3522, 0.4498)
contains.

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Color

Yxy(27.6549, 0.3522, 0.4498)

Conversions

Conversions Part 1

Format	Color
Hex	809852
RGB	128, 152, 82
RGB Percent	50%, 60%, 32%
CMY	0.4980, 0.4039, 0.6785
CMYK	0.16, 0.00, 0.46, 0.40
HSL	81°, 30%, 46%
HSV	81°, 46%, 60%
XYZ	21.6542, 27.6549, 12.1736
YIQ	136.8440, 8.1660, -26.8580

Conversions

Conversions Part 2

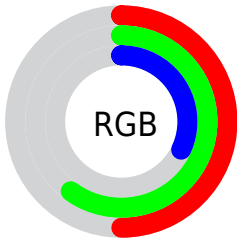
Format	Color
RYB	82, 152, 106
Decimal	8427602
CIELab	59.58, -20.38, 33.95
CIElCh	60, 39.600, 120.973
Yxy	27.6549, 0.3522, 0.4498
Android (android.graphics.Color)	4286617682 (0xFF809852)
YUV	136.8440, -27.0381, -7.7562
Hunter-Lab	52.5879, -18.5277, 23.0865

Details

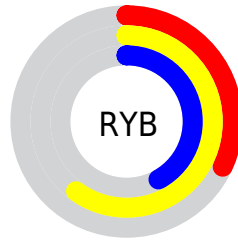
The Yxy color $27.6549, 0.3522, 0.4498$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $11.3593, 0.2560, 0.1989$, and the grayscale version is $25.0566, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.7812, 0.3456, 0.4228$, and $11.0006, 0.3602, 0.4951$ is the 20% darker color. If you saturate the color by 10%, you get $27.0564, 0.3584, 0.4759$, and if you desaturate by 10%, it is $28.3279, 0.3446, 0.4226$.

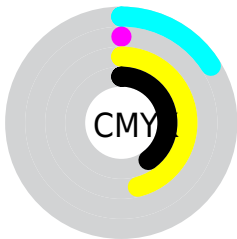
Distribution



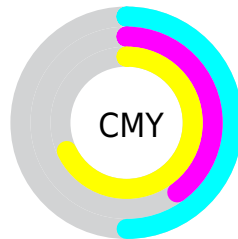
- Red (50%)
- Green (60%)
- Blue (32%)



- Red (32%)
- Yellow (60%)
- Blue (42%)



- Cyan (16%)
- Magenta (0%)
- Yellow (46%)
- Black (40%)





- Cyan (50%)
- Magenta (40%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.6549, 0.3522, 0.4498 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 27.6549, 0.3522, 0.4498 by changing the saturation by 10% instead.


 27.6549, 0.3522,
0.4498


 27.6549, 0.3522,
0.4498


290.8142, 0.3331,
0.3823


 18.0657, 0.3561,
0.4690


 55.9330, 0.3457,
0.4235


 10.9972, 0.3602,
0.4948


 75.3907, 0.3431,
0.4142


 6.0649, 0.3633,
0.5309

 98.9066, 0.3408,
0.4065

 2.8846, 0.3826,
0.6174

 126.8652, 0.3389,
0.4000

 1.0718, 0.3225,
0.6775

 159.6509, 0.3371,
0.3946

 0.0000, 0.0000,
0.0000

197.6480, 0.3356,

0.3899

241.2410, 0.3343,
0.3858

■ 27.6549, 0.3522,
0.4498

■ 27.6549, 0.3522,
0.4498

■ 27.0564, 0.3584,
0.4759

■ 28.3279, 0.3446,
0.4226

■ 26.5248, 0.3627,
0.4997

■ 29.0750, 0.3362,
0.3953

■ 26.0574, 0.3649,
0.5200

■ 29.9007, 0.3273,
0.3688

■ 25.6493, 0.3647,
0.5360

■ 30.8079, 0.3182,
0.3435


■ 25.2939, 0.3623,
0.5474

■ 31.7993, 0.3092,
0.3200

 25.1627, 0.3611,
0.5515

 32.8777, 0.3006,
0.2982

 34.0455, 0.2924,
0.2784

 35.3051, 0.2847,
0.2605

 36.6587, 0.2775,
0.2443

Harmonies

Analogous

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



27.6549, 0.4086, 0.4325



27.6549, 0.3522, 0.4498



27.6549, 0.2883, 0.4250

Triad

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



27.6549, 0.3522, 0.4498



27.6549, 0.1980, 0.2500



27.6549, 0.3929, 0.2930

Complementary

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



27.6549, 0.3522, 0.4498



11.3593, 0.2560, 0.1989

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.



27.6549, 0.3273, 0.2543



27.6549, 0.3522, 0.4498



27.6549, 0.2189, 0.2288

Square

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



27.6549, 0.3522, 0.4498



27.6549, 0.2029, 0.2970



27.6549, 0.2639, 0.2314



27.6549, 0.4363, 0.3409

Rectangle

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



27.6549, 0.3522, 0.4498



27.6549, 0.2502, 0.3864



27.6549, 0.2639, 0.2314



27.6549, 0.3723, 0.2787

Sweetspot

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



27.6561, 0.3522, 0.4498



53.0538, 0.3256, 0.3641



17.4520, 0.4132, 0.3688



11.9884, 0.3274, 0.3693



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.



27.6561, 0.3522, 0.4498



47.7563, 0.3584, 0.4759



25.4267, 0.3167, 0.4646



7.1169, 0.3210, 0.3513



21.1156, 0.3615, 0.5512



0.3356, 0.3881, 0.5301

Inverse Universe

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



11.3593, 0.2560, 0.1989



15.4259, 0.2402, 0.1682



13.9018, 0.3017, 0.2145



6.1240, 0.3039, 0.3064



2.5301, 0.1778, 0.0753



0.0566, 0.2249, 0.1013

Previews

White Background



This preview shows how the Yxy color 27.6549, 0.3522, 0.4498 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 27.6549, 0.3522, 0.4498 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 27.6549, 0.3522, 0.4498

Background



This preview shows how black text looks on a background with the Yxy color 27.6549, 0.3522, 0.4498.



This preview shows how white text looks on a background with the Yxy color 27.6549, 0.3522, 0.4498.

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

27.6549, 0.3522, 0.4498

Protanopia

27.3775, 0.3936, 0.4286

Deuteranopia

27.5619, 0.4112, 0.4036



Tritanopia

27.7163, 0.2961, 0.3112

Trichromacy



Original Color

27.6549, 0.3522, 0.4498

Protanomaly

27.2479, 0.3777, 0.4364

Deuteranomaly

27.1700, 0.3886, 0.4187

Tritanomaly

27.4943, 0.3174, 0.3612

Monochromacy



Original Color

27.6549, 0.3522, 0.4498

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

25.6987, 0.3292, 0.3724

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6549, 0.3522, 0.4498 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(128, 152, 82)` looks like.

```
.text, #text, p{  
    color:rgb(128, 152, 82)  
}
```

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(128, 152, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 152, 82) }
```

Border

The CSS property to change the border of an element to Yxy 27.6549, 0.3522, 0.4498 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(128, 152, 82) }
```

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

```
.border{ border-color:rgb(128, 152, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 152, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 152, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 152, 82);  
box-shadow:4px 4px 4px 4px rgb(128, 152,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6549, 0.3522, 0.4498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 152, 82) }
```

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

```
.background{ background-color: rgb(128,  
152, 82) }
```

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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