

Converting Colors

$Y_{xy}(27.6816, 0.3465, 0.4375)$

Have a look what the booklet for
Yxy(27.6816, 0.3465, 0.4375)
contains.

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Color

Yxy(27.7669, 0.3462, 0.4383)

Conversions

Conversions Part 1

Format	Color
Hex	809859
RGB	128, 152, 89
RGB Percent	50%, 60%, 35%
CMY	0.4981, 0.4039, 0.6510
CMYK	0.16, 0.00, 0.41, 0.40
HSL	83°, 26%, 47%
HSV	83°, 41%, 60%
XYZ	21.9322, 27.7669, 13.6522
YIQ	137.6420, 5.9190, -24.6810

Conversions

Conversions Part 2

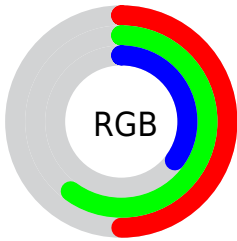
Format	Color
R_{YB}	89, 152, 113
Decimal	8427609
CIE _{Lab}	59.68, -19.52, 30.38
CIE _{LCh}	60, 36.106, 122.721
Yxy	27.7669, 0.3462, 0.4383
Android (android.graphics.Color)	4286617689 (0xFF809859)
YUV	137.6420, -23.9805, -8.4560
Hunter-Lab	52.6943, -17.9204, 21.5250

Details

The Yxy color $27.7669, 0.3462, 0.4383$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $12.9212, 0.2660, 0.2142$, and the grayscale version is $25.3632, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.9811, 0.3408, 0.4139$, and $11.0452, 0.3534, 0.4810$ is the 20% darker color. If you saturate the color by 10%, you get $27.1022, 0.3524, 0.4656$, and if you desaturate by 10%, it is $28.5124, 0.3388, 0.4105$.

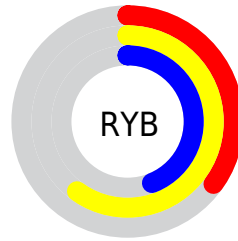
Distribution



Red (50%)

Green (60%)

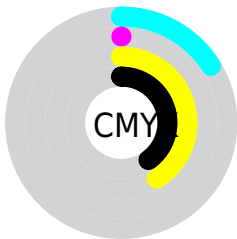
Blue (35%)



Red (35%)

Yellow (60%)

Blue (44%)

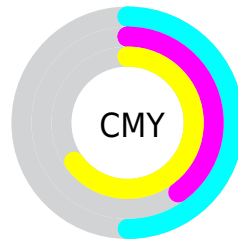


Cyan (16%)

Magenta (0%)

Yellow (41%)

Black (40%)



Cyan (50%)


Magenta (40%)

Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7669, 0.3462, 0.4383 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 27.7669, 0.3462, 0.4383 by changing the saturation by 10% instead.

 27.7669, 0.3462,
0.4383


 27.7669, 0.3462,
0.4383


291.3514, 0.3298,
0.3771


 18.1500, 0.3497,
0.4558


 56.1121, 0.3406,
0.4144


 11.0577, 0.3535,
0.4797


 75.6092, 0.3383,
0.4059


 6.1057, 0.3569,
0.5135

 99.1684, 0.3364,
0.3990

 2.9095, 0.3682,
0.5821

 127.1743, 0.3347,
0.3932

 1.0846, 0.3331,
0.6669

 160.0111, 0.3333,
0.3882

 0.0000, 0.0000,
0.0000

198.0633, 0.3320,

0.3840

241.7153, 0.3309,
0.3803

■ 27.7669, 0.3462,
0.4383

■ 27.7669, 0.3462,
0.4383

■ 27.1022, 0.3524,
0.4656

■ 28.5124, 0.3388,
0.4105

■ 26.5109, 0.3570,
0.4913

■ 29.3386, 0.3308,
0.3832

■ 25.9903, 0.3596,
0.5141


■ 30.2496, 0.3224,
0.3570


■ 25.5357, 0.3600,
0.5330

■ 31.2486, 0.3139,
0.3324

■ 25.1418, 0.3579,
0.5471


■ 32.3383, 0.3057,
0.3097

 24.8424, 0.3550,
0.5563

 33.5215, 0.2978,
0.2890

 34.8006, 0.2903,
0.2702

 36.1781, 0.2833,
0.2532

 37.6565, 0.2767,
0.2380

Harmonies

Analogous

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



27.7669, 0.3984, 0.4259



27.7669, 0.3462, 0.4383



27.7669, 0.2877, 0.4130

Triad

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



27.7669, 0.3462, 0.4383



27.7669, 0.2075, 0.2552



27.7669, 0.3888, 0.2987

Complementary

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



27.7669, 0.3462, 0.4383



12.9212, 0.2660, 0.2142

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.



27.7669, 0.3299, 0.2620



27.7669, 0.3462, 0.4383



27.7669, 0.2283, 0.2364

Square

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



27.7669, 0.3462, 0.4383



27.7669, 0.2108, 0.2973



27.7669, 0.2712, 0.2397



27.7669, 0.4265, 0.3435

Rectangle

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



27.7669, 0.3462, 0.4383



27.7669, 0.2531, 0.3775



27.7669, 0.2712, 0.2397



27.7669, 0.3705, 0.2852

Sweetspot

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



27.7681, 0.3462, 0.4383



53.2586, 0.3230, 0.3590



19.0066, 0.3984, 0.3684



12.0608, 0.3240, 0.3620



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.



27.7681, 0.3462, 0.4383



47.8877, 0.3521, 0.4643



25.7425, 0.3147, 0.4499



7.1053, 0.3205, 0.3514



20.8462, 0.3554, 0.5560



0.3324, 0.3842, 0.5332

Inverse Universe

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



12.9212, 0.2660, 0.2142



17.9693, 0.2522, 0.1851



15.3040, 0.3060, 0.2266



6.1353, 0.3044, 0.3064



2.6698, 0.1836, 0.0785



0.0598, 0.2319, 0.1051

Previews

White Background



This preview shows how the Yxy color 27.7669, 0.3462, 0.4383 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 27.7669, 0.3462, 0.4383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

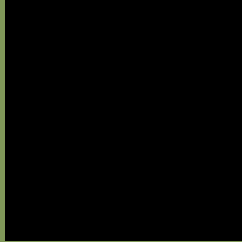
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7669, 0.3462, 0.4383

Background



This preview shows how black text looks on a background with the Yxy color 27.7669, 0.3462, 0.4383.



This preview shows how white text looks on a background with the Yxy color 27.7669, 0.3462, 0.4383.

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

27.7669, 0.3462, 0.4383

Protanopia

27.4849, 0.3869, 0.4186

Deuteranopia

27.5483, 0.4038, 0.3957



Tritanopia

27.6652, 0.2942, 0.3096

Trichromacy



Original Color

27.7669, 0.3462, 0.4383

Protanomaly

27.3569, 0.3713, 0.4258

Deuteranomaly

27.2694, 0.3826, 0.4097

Tritanomaly

27.6017, 0.3136, 0.3543

Monochromacy



Original Color

27.7669, 0.3462, 0.4383

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.0693, 0.3259, 0.3687

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7669, 0.3462, 0.4383 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, 89)` looks like.

```
.text, #text, p{  
    color:rgb(128, 152, 89)  
}
```

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, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 152, 89) }
```

Border

The CSS property to change the border of an element to Yxy 27.7669, 0.3462, 0.4383 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, 89) }
```

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

```
.border{ border-color:rgb(128, 152, 89) }
```

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, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 152, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 152, 89);  
box-shadow:4px 4px 4px 4px rgb(128, 152,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7669, 0.3462, 0.4383 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, 89) }
```

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

```
.background{ background-color: rgb(128,  
152, 89) }
```

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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