

Converting Colors

$Y_{xy}(30.4424, 0.3667, 0.4959)$

Have a look what the booklet for
Yxy(30.4424, 0.3667, 0.4959)
contains.

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Color

Yxy(30.4424, 0.3667, 0.4959)

Conversions

Conversions Part 1

Format	Color
Hex	81A138
RGB	129, 161, 56
RGB Percent	51%, 63%, 22%
CMY	0.4942, 0.3686, 0.7803
CMYK	0.20, 0.00, 0.65, 0.37
HSL	78°, 48%, 43%
HSV	78°, 65%, 63%
XYZ	22.5110, 30.4424, 8.4347
YIQ	139.4620, 14.6330, -39.4390

Conversions

Conversions Part 2

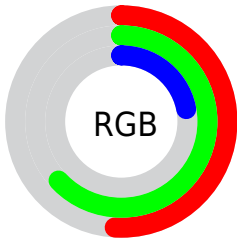
Format	Color
RYB	56, 161, 88
Decimal	8495416
CIELab	62.03, -27.00, 49.28
CIELCh	62, 56.195, 118.716
Yxy	30.4424, 0.3667, 0.4959
Android (android.graphics.Color)	4286685496 (0xFF81A138)
YUV	139.4620, -41.1468, -9.1752
Hunter-Lab	55.1746, -23.7283, 29.5584

Details

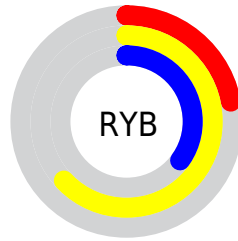
The Yxy color **30.4424, 0.3667, 0.4959** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **7.4823, 0.2204, 0.1388**, and the grayscale version is **26.1651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3848, 0.3596, 0.4617**, and **12.4738, 0.3692, 0.5451** is the 20% darker color. If you saturate the color by 10%, you get **29.9353, 0.3696, 0.5158**, and if you desaturate by 10%, it is **31.0214, 0.3616, 0.4725**.

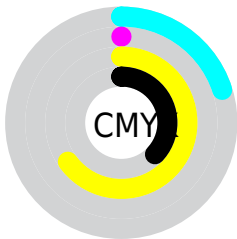
Distribution



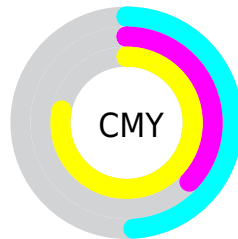
- Red (51%)
- Green (63%)
- Blue (22%)



- Red (22%)
- Yellow (63%)
- Blue (35%)



- Cyan (20%)
- Magenta (0%)
- Yellow (65%)
- Black (37%)





- Cyan (49%)
- Magenta (37%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.4424, 0.3667, 0.4959 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 30.4424, 0.3667, 0.4959 by changing the saturation by 10% instead.


 30.4424, 0.3667,
0.4959


 30.4424, 0.3667,
0.4959


303.9612, 0.3433,
0.4048


 20.1746, 0.3698,
0.5198


 60.3611, 0.3598,
0.4615


 12.5220, 0.3713,
0.5504


 80.7808, 0.3567,
0.4489


 7.1003, 0.3712,
0.5940


 105.3533, 0.3538,
0.4384


 3.5249, 0.3565,
0.6435

 134.4630, 0.3512,
0.4296

 1.4115, 0.3008,
0.6992

 168.4942, 0.3489,
0.4220

 0.2252, 0.0000,
1.0000

 207.8314, 0.3469,

 0.0000, 0.0000,

0.4155

0.0000

252.8589, 0.3450,
0.4098

■ 30.4424, 0.3667,
0.4959

■ 30.4424, 0.3667,
0.4959

■ 29.9353, 0.3696,
0.5158

■ 31.0214, 0.3616,
0.4725

■ 29.4907, 0.3701,
0.5314

■ 31.6728, 0.3546,
0.4469

■ 29.1032, 0.3682,
0.5423

■ 32.4022, 0.3463,
0.4200

■ 28.9297, 0.3670,
0.5468

■ 33.2134, 0.3371,
0.3930

■ 34.1099, 0.3274,
0.3666

■ 35.0949, 0.3177,
0.3414

■ 36.1716, 0.3082,
0.3179

■ 37.3429, 0.2990,
0.2962

■ 38.6115, 0.2903,
0.2764

Harmonies

Analogous

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



30.4424, 0.4417, 0.4595



30.4424, 0.3667, 0.4959



30.4424, 0.2822, 0.4713

Triad

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



30.4424, 0.3667, 0.4959



30.4424, 0.1629, 0.2250



30.4424, 0.4161, 0.2755

Complementary

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



30.4424, 0.3667, 0.4959



7.4823, 0.2204, 0.1388

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.



30.4424, 0.3238, 0.2283



30.4424, 0.3667, 0.4959



30.4424, 0.1864, 0.1984

Square

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



30.4424, 0.3667, 0.4959



30.4424, 0.1700, 0.2877



30.4424, 0.2408, 0.2010



30.4424, 0.4793, 0.3346

Rectangle

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



30.4424, 0.3667, 0.4959



30.4424, 0.2316, 0.4169



30.4424, 0.2408, 0.2010



30.4424, 0.3865, 0.2580

Sweetspot

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



30.4438, 0.3667, 0.4959



60.2323, 0.3325, 0.3801



14.7653, 0.4809, 0.3764



13.1186, 0.3350, 0.3871



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.



30.4438, 0.3667, 0.4959



53.2541, 0.3701, 0.5230



27.3566, 0.3175, 0.5257



8.1284, 0.3217, 0.3515



23.1255, 0.3674, 0.5465



0.5089, 0.3872, 0.5308

Inverse Universe

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



7.4823, 0.2204, 0.1388



9.0359, 0.1976, 0.1032



10.9814, 0.2894, 0.1702



6.9598, 0.3032, 0.3061



2.5981, 0.1725, 0.0724



0.0783, 0.2132, 0.0948

Previews

White Background



This preview shows how the Yxy color 30.4424, 0.3667, 0.4959 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.4424, 0.3667, 0.4959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

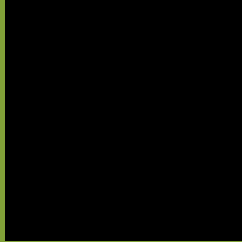
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.4424, 0.3667, 0.4959

Background



This preview shows how black text looks on a background with the Yxy color 30.4424, 0.3667, 0.4959.



This preview shows how white text looks on a background with the Yxy color 30.4424, 0.3667, 0.4959.

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

30.4424, 0.3667, 0.4959

Protanopia

30.2852, 0.4194, 0.4621

Deuteranopia

30.1329, 0.4419, 0.4325



Tritanopia

30.4403, 0.2921, 0.3102

Trichromacy



Original Color

30.4424, 0.3667, 0.4959

Protanomaly

30.1498, 0.3995, 0.4749

Deuteranomaly

29.8205, 0.4134, 0.4552

Tritanomaly

30.2163, 0.3232, 0.3804

Monochromacy



Original Color

30.4424, 0.3667, 0.4959

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

27.1225, 0.3371, 0.3943

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4424, 0.3667, 0.4959 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(129, 161, 56)` looks like.

```
.text, #text, p{  
    color:rgb(129, 161, 56)  
}
```

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(129, 161, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 161, 56) }
```

Border

The CSS property to change the border of an element to Yxy 30.4424, 0.3667, 0.4959 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(129, 161, 56) }
```

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

```
.border{ border-color:rgb(129, 161, 56) }
```

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

Here you see how a box with a 4 pixel rgb(129, 161, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 161, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 161, 56);  
box-shadow:4px 4px 4px 4px rgb(129, 161,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4424, 0.3667, 0.4959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 161, 56) }
```

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

```
.background{ background-color: rgb(129,  
161, 56) }
```

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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