

Converting Colors

$Yxy(30.3419, 0.2868, 0.4540)$

Have a look what the booklet for
Yxy(30.3419, 0.2868, 0.4540)
contains.

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Color

Yxy(30.4204, 0.2866, 0.4535)

Conversions

Conversions Part 1

Format	Color
Hex	4AA866
RGB	74, 168, 102
RGB Percent	29%, 66%, 40%
CMY	0.7099, 0.3412, 0.5999
CMYK	0.56, 0.00, 0.39, 0.34
HSL	138°, 39%, 47%
HSV	138°, 56%, 66%
XYZ	19.2249, 30.4204, 17.4339
YIQ	132.3700, -34.8380, -40.4540

Conversions

Conversions Part 2

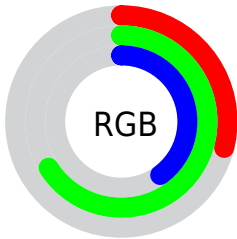
Format	Color
RYB	74, 146, 168
Decimal	4892774
CIELab	62.02, -42.77, 25.91
CIELCh	62, 50.004, 148.796
Yxy	30.4204, 0.2866, 0.4535
Android (android.graphics.Color)	4283082854 (0xFF4AA866)
YUV	132.3700, -14.9724, -51.1905
Hunter-Lab	55.1547, -34.3022, 19.8673

Details

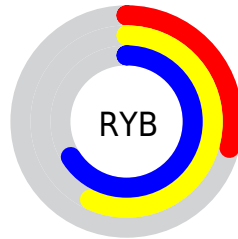
The Yxy color **30.4204, 0.2866, 0.4535** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **15.1136, 0.3593, 0.2328**, and the grayscale version is **23.2795, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3902, 0.2934, 0.4249**, and **12.5278, 0.2732, 0.5036** is the 20% darker color. If you saturate the color by 10%, you get **29.6241, 0.2846, 0.4801**, and if you desaturate by 10%, it is **31.4306, 0.2899, 0.4273**.

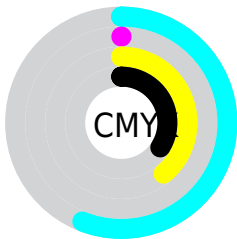
Distribution



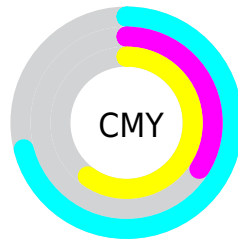
- Red (29%)
- Green (66%)
- Blue (40%)



- Red (29%)
- Yellow (57%)
- Blue (66%)



- Cyan (56%)
- Magenta (0%)
- Yellow (39%)
- Black (34%)




- Cyan (71%)
- Magenta (34%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4204, 0.2866, 0.4535 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 30.4204, 0.2866, 0.4535 by changing the saturation by 10% instead.


 30.4204, 0.2866,
0.4535


 30.4204, 0.2866,
0.4535


303.8591, 0.3029,
0.3826


 20.1579, 0.2811,
0.4746


 60.3264, 0.2935,
0.4254


 12.5099, 0.2728,
0.5039


 80.7387, 0.2958,
0.4155

 7.0919, 0.2597,
0.5471


 105.3030, 0.2976,
0.4075

 3.5197, 0.2363,
0.6162

 134.4038, 0.2991,
0.4008

 1.4087, 0.1352,
0.8648

 168.4254, 0.3003,
0.3952

 0.2231, 0.0000,
1.0000

207.7522, 0.3013,

 0.0000, 0.0000,

0.3904

0.0000

252.7687, 0.3022,
0.3862

■ 30.4204, 0.2866,
0.4535

■ 30.4204, 0.2866,
0.4535

■ 29.6241, 0.2846,
0.4801

■ 31.4306, 0.2899,
0.4273

■ 29.0219, 0.2840,
0.5061

■ 32.6651, 0.2941,
0.4023

■ 28.5968, 0.2850,
0.5302

■ 34.1381, 0.2989,
0.3791

■ 28.3249, 0.2875,
0.5512

■ 35.8617, 0.3041,
0.3581

■ 28.2377, 0.2886,
0.5588

■ 37.8469, 0.3095,
0.3392

■ 40.1042, 0.3149,
0.3225

■ 42.6436, 0.3201,
0.3078

■ 45.4744, 0.3252,
0.2950

■ 48.6056, 0.3299,
0.2838

Harmonies

Analogous

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



30.4204, 0.3631, 0.4775



30.4204, 0.2866, 0.4535



30.4204, 0.2213, 0.3774

Triad

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



30.4204, 0.2866, 0.4535



30.4204, 0.1982, 0.2105



30.4204, 0.4614, 0.3361

Complementary

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



30.4204, 0.2866, 0.4535



15.1136, 0.3593, 0.2328

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.



30.4204, 0.4052, 0.2813



30.4204, 0.2866, 0.4535



30.4204, 0.2485, 0.2124

Square

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



30.4204, 0.2866, 0.4535



30.4204, 0.1762, 0.2358



30.4204, 0.3235, 0.2376



30.4204, 0.4688, 0.3948

Rectangle

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



30.4204, 0.2866, 0.4535



30.4204, 0.1925, 0.3193



30.4204, 0.3235, 0.2376



30.4204, 0.4474, 0.3171

Sweetspot

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



30.4217, 0.2866, 0.4535



64.6234, 0.3034, 0.3608



34.1956, 0.3642, 0.4738



13.9504, 0.3024, 0.3647



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



30.4217, 0.2866, 0.4535



53.4768, 0.2843, 0.4861



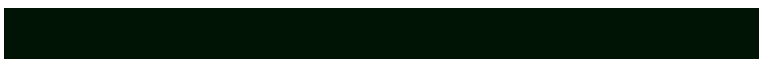
31.5884, 0.2559, 0.3651



8.4432, 0.3077, 0.3452



21.3311, 0.2881, 0.5571



0.5279, 0.2691, 0.4889

Inverse Universe

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



15.1136, 0.3593, 0.2328



22.9036, 0.3738, 0.2171



14.0356, 0.4393, 0.2989



7.6279, 0.3181, 0.3133



7.2820, 0.4120, 0.2043



0.1855, 0.3757, 0.1844

Previews

White Background



This preview shows how the Yxy color 30.4204, 0.2866, 0.4535 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 30.4204, 0.2866, 0.4535 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 30.4204, 0.2866, 0.4535

Background



This preview shows how black text looks on a background with the Yxy color 30.4204, 0.2866, 0.4535.



This preview shows how white text looks on a background with the Yxy color 30.4204, 0.2866, 0.4535.

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

30.4204, 0.2866, 0.4535

Protanopia

29.9844, 0.3813, 0.4132

Deuteranopia

29.9577, 0.3864, 0.3804



Tritanopia

30.4473, 0.2488, 0.3088

Trichromacy



Original Color

30.4204, 0.2866, 0.4535



Protanomaly

29.3858, 0.3400, 0.4297



Deuteranomaly

28.9860, 0.3428, 0.4059



Tritanomaly

30.2794, 0.2619, 0.3572

Monochromacy



Original Color

30.4204, 0.2866, 0.4535



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

25.0108, 0.3005, 0.3733

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4204, 0.2866, 0.4535 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(74, 168, 102)` looks like.

```
.text, #text, p{  
  color:rgb(74, 168, 102)  
}
```

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(74, 168, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 168, 102) }
```

Border

The CSS property to change the border of an element to Yxy 30.4204, 0.2866, 0.4535 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(74, 168, 102) }
```

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

```
.border{ border-color:rgb(74, 168, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 168, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 168, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 168, 102);  
box-shadow:4px 4px 4px 4px rgb(74, 168,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4204, 0.2866, 0.4535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 168, 102) }
```

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

```
.background{ background-color: rgb(74, 168,  
102) }
```

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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