

Converting Colors

$Y_{xy}(29.9121, 0.3088, 0.4325)$

Have a look what the booklet for
Yxy(29.9121, 0.3088, 0.4325)
contains.

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Color

Yxy(29.9248, 0.3088, 0.4315)

Conversions

Conversions Part 1

Format	Color
Hex	6AA269
RGB	106, 162, 105
RGB Percent	42%, 64%, 41%
CMY	0.5842, 0.3647, 0.5883
CMYK	0.35, 0.00, 0.35, 0.36
HSL	119°, 23%, 52%
HSV	119°, 35%, 64%
XYZ	21.4155, 29.9248, 18.0104
YIQ	138.7580, -15.0790, -29.5990

Conversions

Conversions Part 2

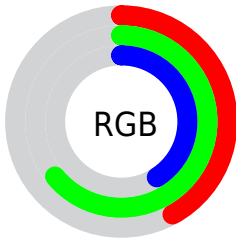
Format	Color
RYB	105, 162, 161
Decimal	6988393
CIELab	61.59, -30.18, 23.99
CIElCh	62, 38.556, 141.526
Yxy	29.9248, 0.3088, 0.4315
Android (android.graphics.Color)	4285178473 (0xFF6AA269)
YUV	138.7580, -16.6427, -28.7288
Hunter-Lab	54.7036, -25.8516, 18.7721

Details

The Yxy color **29.9248, 0.3088, 0.4315** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.2855, 0.3154, 0.2436**, and the grayscale version is **25.7923, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.4310, 0.3104, 0.4081**, and **12.2595, 0.3038, 0.4720** is the 20% darker color. If you saturate the color by 10%, you get **28.7379, 0.3073, 0.4663**, and if you desaturate by 10%, it is **31.3585, 0.3101, 0.3986**.

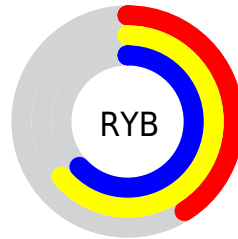
Distribution



Red (42%)

Green (64%)

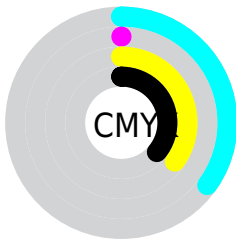
Blue (41%)



Red (41%)

Yellow (64%)

Blue (63%)

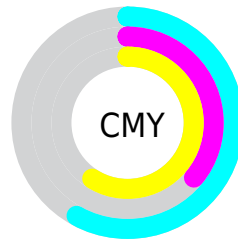


Cyan (35%)

Magenta (0%)

Yellow (35%)

Black (36%)



Cyan (58%)


Magenta (36%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9248, 0.3088, 0.4315 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 29.9248, 0.3088, 0.4315 by changing the saturation by 10% instead.


 29.9248, 0.3088,
0.4315


 29.9248, 0.3088,
0.4315


301.5538, 0.3125,
0.3737


 19.7815, 0.3070,
0.4484


 59.5432, 0.3107,
0.4087


 12.2363, 0.3040,
0.4719


 79.7872, 0.3113,
0.4007

 6.9048, 0.2985,
0.5062


 104.1668, 0.3116,
0.3942

 3.4027, 0.2870,
0.5605

 133.0665, 0.3119,
0.3887

 1.3454, 0.2640,
0.7360

166.8706, 0.3121,
0.3841

 0.1759, 0.0000,
1.0000

205.9636, 0.3123,

 0.0000, 0.0000,

0.3802

0.0000

250.7299, 0.3124,
0.3767

■ 29.9248, 0.3088,
0.4315

■ 29.9248, 0.3088,
0.4315

■ 28.7379, 0.3073,
0.4663

■ 31.3585, 0.3101,
0.3986

■ 27.7804, 0.3058,
0.5012

■ 33.0478, 0.3113,
0.3685

■ 27.0386, 0.3042,
0.5339


■ 35.0057, 0.3123,
0.3416

■ 26.4957, 0.3027,
0.5618

■ 37.2431, 0.3131,
0.3181

■ 26.1327, 0.3015,
0.5826


■ 39.7705, 0.3138,
0.2976

 25.9261, 0.3006,
0.5952

 42.5977, 0.3144,
0.2800

 25.8596, 0.3004,
0.5996

 45.7340, 0.3148,
0.2649

 49.1885, 0.3152,
0.2519

 52.9697, 0.3155,
0.2407

Harmonies

Analogous

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



29.9248, 0.3691, 0.4421



29.9248, 0.3088, 0.4315



29.9248, 0.2526, 0.3821

Triad

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



29.9248, 0.3088, 0.4315



29.9248, 0.2143, 0.2373



29.9248, 0.4204, 0.3259

Complementary

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



29.9248, 0.3088, 0.4315



20.2855, 0.3154, 0.2436

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.



29.9248, 0.3704, 0.2819



29.9248, 0.3088, 0.4315



29.9248, 0.2505, 0.2327

Square

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



29.9248, 0.3088, 0.4315



29.9248, 0.2019, 0.2656



29.9248, 0.3066, 0.2489



29.9248, 0.4373, 0.3737

Rectangle

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



29.9248, 0.3088, 0.4315



29.9248, 0.2248, 0.3388



29.9248, 0.3066, 0.2489



29.9248, 0.4067, 0.3104

Sweetspot

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



29.9261, 0.3088, 0.4315



61.3505, 0.3117, 0.3574



33.8777, 0.3653, 0.4120



13.6792, 0.3116, 0.3609



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



29.9261, 0.3088, 0.4315



52.6477, 0.3077, 0.4579



30.4988, 0.2869, 0.3824



7.9008, 0.3119, 0.3522



20.3748, 0.3005, 0.5996



0.4298, 0.3030, 0.5976

Inverse Universe

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



20.2855, 0.3154, 0.2436



32.5509, 0.3159, 0.2261



19.5442, 0.3506, 0.2814



7.1957, 0.3135, 0.3068



7.8715, 0.3165, 0.1517



0.1673, 0.3182, 0.1527

Previews

White Background



This preview shows how the Yxy color 29.9248, 0.3088, 0.4315 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 29.9248, 0.3088, 0.4315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

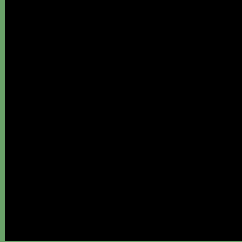
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.9248, 0.3088, 0.4315

Background



This preview shows how black text looks on a background with the Yxy color 29.9248, 0.3088, 0.4315.



This preview shows how white text looks on a background with the Yxy color 29.9248, 0.3088, 0.4315.

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

29.9248, 0.3088, 0.4315

Protanopia

29.6577, 0.3758, 0.4047

Deuteranopia

29.5641, 0.3848, 0.3777



Tritanopia

29.7528, 0.2689, 0.3077

Trichromacy



Original Color

29.9248, 0.3088, 0.4315

Protanomaly

29.3848, 0.3493, 0.4151

Deuteranomaly

29.0616, 0.3541, 0.3953

Tritanomaly

29.7050, 0.2841, 0.3512

Monochromacy



Original Color

29.9248, 0.3088, 0.4315

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.9118, 0.3111, 0.3637

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9248, 0.3088, 0.4315 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(106, 162, 105)` looks like.

```
.text, #text, p{  
    color:rgb(106, 162, 105)  
}
```

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(106, 162, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 162, 105) }
```

Border

The CSS property to change the border of an element to Yxy 29.9248, 0.3088, 0.4315 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(106, 162, 105) }
```

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

```
.border{ border-color:rgb(106, 162, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 162, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 162, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 162, 105);  
box-shadow:4px 4px 4px 4px rgb(106, 162,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9248, 0.3088, 0.4315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 162, 105) }
```

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

```
.background{ background-color: rgb(106,  
162, 105) }
```

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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