

Converting Colors

$Yxy(30.1407, 0.3152, 0.4661)$

Have a look what the booklet for
Yxy(30.1407, 0.3152, 0.4661)
contains.

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Color

Yxy(30.3409, 0.3152, 0.4662)

Conversions

Conversions Part 1

Format	Color
Hex	64A559
RGB	100, 165, 89
RGB Percent	39%, 65%, 35%
CMY	0.6079, 0.3529, 0.6510
CMYK	0.39, 0.00, 0.46, 0.35
HSL	111°, 30%, 50%
HSV	111°, 46%, 65%
XYZ	20.5136, 30.3409, 14.2268
YIQ	136.9010, -14.3440, -37.4160

Conversions

Conversions Part 2

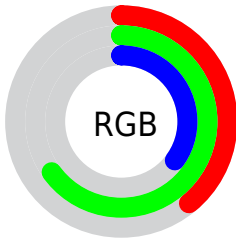
Format	Color
RYB	89, 165, 154
Decimal	6595929
CIELab	61.95, -36.06, 32.90
CIELCh	62, 48.816, 137.620
Yxy	30.3409, 0.3152, 0.4662
Android (android.graphics.Color)	4284786009 (0xFF64A559)
YUV	136.9010, -23.6152, -32.3622
Hunter-Lab	55.0826, -29.9183, 23.2443

Details

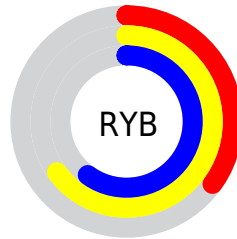
The Yxy color **30.3409, 0.3152, 0.4662** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **16.7332, 0.3037, 0.2145**, and the grayscale version is **25.0723, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9499, 0.3171, 0.4354**, and **12.5747, 0.3092, 0.5200** is the 20% darker color. If you saturate the color by 10%, you get **29.3591, 0.3144, 0.4998**, and if you desaturate by 10%, it is **31.5269, 0.3154, 0.4325**.

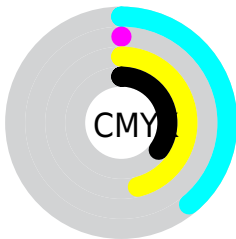
Distribution



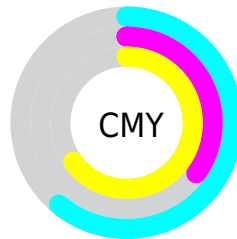
- Red (39%)
- Green (65%)
- Blue (35%)



- Red (35%)
- Yellow (65%)
- Blue (60%)



- Cyan (39%)
- Magenta (0%)
- Yellow (46%)
- Black (35%)



- Cyan (61%)
- Magenta (35%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.3409, 0.3152, 0.4662 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 30.3409, 0.3152, 0.4662 by changing the saturation by 10% instead.

■ 30.3409, 0.3152,
0.4662

■ 30.3409, 0.3152,
0.4662

303.4902, 0.3168,
0.3886

■ 20.0975, 0.3133,
0.4888

■ 60.2009, 0.3168,
0.4356

■ 12.4659, 0.3095,
0.5198

■ 80.5862, 0.3170,
0.4249

■ 7.0618, 0.3017,
0.5643

■ 105.1210, 0.3171,
0.4161

■ 3.5008, 0.2907,
0.6457

■ 134.1896, 0.3172,
0.4087

■ 1.3984, 0.2123,
0.7877

■ 168.1765, 0.3171,
0.4025

■ 0.2156, 0.0000,
1.0000

207.4659, 0.3170,

■ 0.0000, 0.0000,

0.3972

0.0000

252.4424, 0.3169,
0.3926

■ 30.3409, 0.3152,
0.4662

■ 30.3409, 0.3152,
0.4662

■ 29.3591, 0.3144,
0.4998

■ 31.5269, 0.3154,
0.4325

■ 28.5661, 0.3130,
0.5314

■ 32.9236, 0.3150,
0.4004

■ 27.9508, 0.3108,
0.5585


■ 34.5421, 0.3143,
0.3706

■ 27.4990, 0.3081,
0.5792


■ 36.3915, 0.3134,
0.3438

■ 27.1935, 0.3052,
0.5924

■ 38.4805, 0.3123,
0.3200

 27.1043, 0.3044,
0.5965

 40.8172, 0.3111,
0.2990

 43.4095, 0.3099,
0.2807

 46.2647, 0.3087,
0.2648

 49.3900, 0.3075,
0.2510

Harmonies

Analogous

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



30.3409, 0.3890, 0.4684



30.3409, 0.3152, 0.4662



30.3409, 0.2447, 0.4075

Triad

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



30.3409, 0.3152, 0.4662



30.3409, 0.1891, 0.2187



30.3409, 0.4424, 0.3154

Complementary

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



30.3409, 0.3152, 0.4662



16.7332, 0.3037, 0.2145

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.



30.3409, 0.3745, 0.2646



30.3409, 0.3152, 0.4662



30.3409, 0.2283, 0.2111

Square

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



30.3409, 0.3152, 0.4662



30.3409, 0.1780, 0.2552



30.3409, 0.2939, 0.2277



30.3409, 0.4686, 0.3725

Rectangle

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



30.3409, 0.3152, 0.4662



30.3409, 0.2092, 0.3509



30.3409, 0.2939, 0.2277



30.3409, 0.4233, 0.2974

Sweetspot

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



30.3422, 0.3152, 0.4662



62.4253, 0.3142, 0.3656



31.7018, 0.3864, 0.4252



13.5067, 0.3143, 0.3713



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.



30.3422, 0.3152, 0.4662



52.5855, 0.3144, 0.4997



30.2875, 0.2870, 0.4198



7.9419, 0.3137, 0.3521



20.5176, 0.3048, 0.5962



0.4444, 0.3225, 0.5821

Inverse Universe

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



16.7332, 0.3037, 0.2145



25.1942, 0.3007, 0.1921



16.9919, 0.3542, 0.2539



7.1500, 0.3115, 0.3067



6.3645, 0.2853, 0.1345



0.1470, 0.2991, 0.1421

Previews

White Background



This preview shows how the Yxy color 30.3409, 0.3152, 0.4662 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 30.3409, 0.3152, 0.4662 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 30.3409, 0.3152, 0.4662

Background



This preview shows how black text looks on a background with the Yxy color 30.3409, 0.3152, 0.4662.



This preview shows how white text looks on a background with the Yxy color 30.3409, 0.3152, 0.4662.

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

30.3409, 0.3152, 0.4662

Protanopia

30.0119, 0.3937, 0.4278

Deuteranopia

29.8575, 0.4062, 0.3975



Tritanopia

30.2489, 0.2662, 0.3093

Trichromacy



Original Color

30.3409, 0.3152, 0.4662

Protanomaly

29.7613, 0.3625, 0.4431

Deuteranomaly

29.1647, 0.3701, 0.4216

Tritanomaly

29.9754, 0.2849, 0.3636

Monochromacy



Original Color

30.3409, 0.3152, 0.4662

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.5086, 0.3146, 0.3767

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3409, 0.3152, 0.4662 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(100, 165, 89)` looks like.

```
.text, #text, p{  
    color:rgb(100, 165, 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(100, 165, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 165, 89) }
```

Border

The CSS property to change the border of an element to Yxy 30.3409, 0.3152, 0.4662 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(100, 165, 89) }
```

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

```
.border{ border-color:rgb(100, 165, 89) }
```

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

Here you see how a box with a 4 pixel rgb(100, 165, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 165, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 165, 89);  
box-shadow:4px 4px 4px 4px rgb(100, 165,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3409, 0.3152, 0.4662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 165, 89) }
```

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

```
.background{ background-color: rgb(100,  
165, 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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