

Converting Colors

$Yxy(31.0837, 0.3215, 0.4382)$

Have a look what the booklet for
Yxy(31.0837, 0.3215, 0.4382)
contains.

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Color

Yxy(31.2035, 0.3208, 0.4385)

Conversions

Conversions Part 1

Format	Color
Hex	74A465
RGB	116, 164, 101
RGB Percent	45%, 64%, 40%
CMY	0.5450, 0.3569, 0.6040
CMYK	0.29, 0.00, 0.38, 0.36
HSL	106°, 26%, 52%
HSV	106°, 38%, 64%
XYZ	22.8280, 31.2035, 17.1281
YIQ	142.4660, -8.3850, -29.7690

Conversions

Conversions Part 2

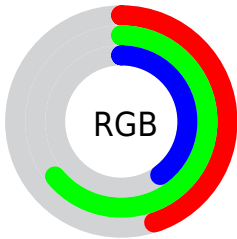
Format	Color
RYB	101, 164, 149
Decimal	7644261
CIELab	62.68, -28.33, 27.69
CIELCh	63, 39.618, 135.660
Yxy	31.2035, 0.3208, 0.4385
Android (android.graphics.Color)	4285834341 (0xFF74A465)
YUV	142.4660, -20.4427, -23.2107
Hunter-Lab	55.8601, -24.8086, 20.9222

Details

The Yxy color **31.2035, 0.3208, 0.4385** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.3723, 0.2985, 0.2310**, and the grayscale version is **27.3313, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.3980, 0.3199, 0.4139**, and **12.9692, 0.3191, 0.4803** is the 20% darker color. If you saturate the color by 10%, you get **30.1156, 0.3216, 0.4712**, and if you desaturate by 10%, it is **32.4733, 0.3193, 0.4068**.

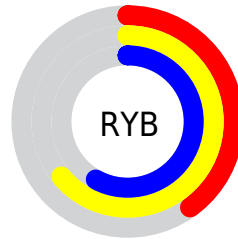
Distribution



Red (45%)

Green (64%)

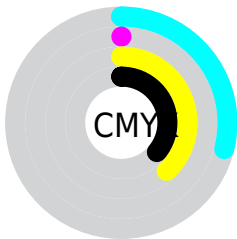
Blue (40%)



Red (40%)

Yellow (64%)

Blue (58%)

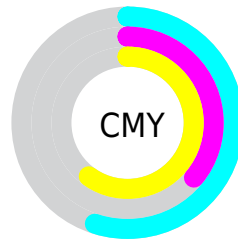


Cyan (29%)

Magenta (0%)

Yellow (38%)

Black (36%)



Cyan (55%)


Magenta (36%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2035, 0.3208, 0.4385 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 31.2035, 0.3208, 0.4385 by changing the saturation by 10% instead.

 31.2035, 0.3208,
0.4385


 31.2035, 0.3208,
0.4385


307.4747, 0.3183,
0.3773


 20.7539, 0.3206,
0.4561


 61.5603, 0.3204,
0.4146


 12.9442, 0.3195,
0.4802


 82.2363, 0.3201,
0.4061

 7.3901, 0.3166,
0.5148


 107.0898, 0.3198,
0.3992

 3.7073, 0.3091,
0.5686

 136.5053, 0.3195,
0.3934

 1.5112, 0.2983,
0.7017

170.8672, 0.3192,
0.3885

 0.2966, 0.0000,
1.0000

210.5597, 0.3189,

 0.0000, 0.0000,

0.3842

0.0000

255.9675, 0.3186,
0.3806

■ 31.2035, 0.3208,
0.4385

■ 31.2035, 0.3208,
0.4385

■ 30.1156, 0.3216,
0.4712

■ 32.4733, 0.3193,
0.4068

■ 29.1971, 0.3215,
0.5035

■ 33.9288, 0.3172,
0.3770

■ 28.4404, 0.3202,
0.5333


■ 35.5788, 0.3148,
0.3498

■ 27.8354, 0.3178,
0.5586


■ 37.4300, 0.3123,
0.3253

■ 27.3708, 0.3143,
0.5777

■ 39.4892, 0.3097,
0.3036


 27.0302, 0.3103,
0.5904

 41.7626, 0.3072,
0.2844

 26.9849, 0.3098,
0.5922

 44.2562, 0.3047,
0.2676

 46.9758, 0.3024,
0.2529

 49.9270, 0.3002,
0.2400

Harmonies

Analogous

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



31.2035, 0.3807, 0.4410



31.2035, 0.3208, 0.4385



31.2035, 0.2618, 0.3949

Triad

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



31.2035, 0.3208, 0.4385



31.2035, 0.2087, 0.2398



31.2035, 0.4142, 0.3165

Complementary

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



31.2035, 0.3208, 0.4385



18.3723, 0.2985, 0.2310

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.



31.2035, 0.3588, 0.2737



31.2035, 0.3208, 0.4385



31.2035, 0.2408, 0.2308

Square

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



31.2035, 0.3208, 0.4385



31.2035, 0.2012, 0.2732



31.2035, 0.2942, 0.2433



31.2035, 0.4387, 0.3647

Rectangle

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



31.2035, 0.3208, 0.4385



31.2035, 0.2309, 0.3519



31.2035, 0.2942, 0.2433



31.2035, 0.3983, 0.3013

Sweetspot

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



31.2048, 0.3208, 0.4385



63.3991, 0.3158, 0.3598



30.0896, 0.3771, 0.4012



13.7804, 0.3161, 0.3631



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.



31.2048, 0.3208, 0.4385



54.9512, 0.3215, 0.4661



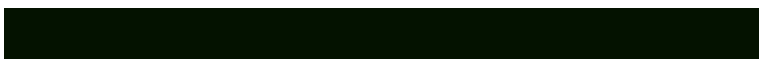
30.5956, 0.2953, 0.4138



7.9728, 0.3150, 0.3520



20.7095, 0.3104, 0.5918



0.4552, 0.3356, 0.5718

Inverse Universe

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



18.3723, 0.2985, 0.2310



28.3170, 0.2942, 0.2094



19.3437, 0.3368, 0.2573



7.1167, 0.3101, 0.3066



5.4141, 0.2623, 0.1219



0.1333, 0.2849, 0.1343

Previews

White Background



This preview shows how the Yxy color 31.2035, 0.3208, 0.4385 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 31.2035, 0.3208, 0.4385 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 31.2035, 0.3208, 0.4385

Background



This preview shows how black text looks on a background with the Yxy color 31.2035, 0.3208, 0.4385.



This preview shows how white text looks on a background with the Yxy color 31.2035, 0.3208, 0.4385.

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

31.2035, 0.3208, 0.4385

Protanopia

30.8703, 0.3804, 0.4123

Deuteranopia

30.9740, 0.3930, 0.3864



Tritanopia

31.1161, 0.2759, 0.3099

Trichromacy



Original Color

31.2035, 0.3208, 0.4385

Protanomaly

30.8618, 0.3573, 0.4221

Deuteranomaly

30.6240, 0.3645, 0.4040

Tritanomaly

31.0208, 0.2921, 0.3539

Monochromacy



Original Color

31.2035, 0.3208, 0.4385

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.3315, 0.3170, 0.3679

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2035, 0.3208, 0.4385 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(116, 164, 101)` looks like.

```
.text, #text, p{  
    color:rgb(116, 164, 101)  
}
```

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(116, 164, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 164, 101) }
```

Border

The CSS property to change the border of an element to Yxy 31.2035, 0.3208, 0.4385 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(116, 164, 101) }
```

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

```
.border{ border-color:rgb(116, 164, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 164, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 164, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 164, 101);  
box-shadow:4px 4px 4px 4px rgb(116, 164,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2035, 0.3208, 0.4385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 164, 101) }
```

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

```
.background{ background-color: rgb(116,  
164, 101) }
```

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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