

Converting Colors

$Yxy(32.3819, 0.3173, 0.4261)$

Have a look what the booklet for
Yxy(32.3819, 0.3173, 0.4261)
contains.

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Color

Yxy(32.3696, 0.3178, 0.4262)

Conversions

Conversions Part 1

Format	Color
Hex	78A66D
RGB	120, 166, 109
RGB Percent	47%, 65%, 43%
CMY	0.5296, 0.3490, 0.5726
CMYK	0.28, 0.00, 0.34, 0.35
HSL	108°, 24%, 54%
HSV	108°, 34%, 65%
XYZ	24.1367, 32.3696, 19.4430
YIQ	145.7480, -9.1190, -27.4790

Conversions

Conversions Part 2

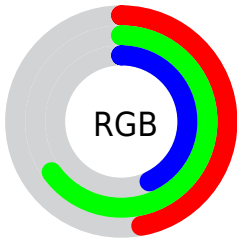
Format	Color
RYB	109, 166, 155
Decimal	7906925
CIELab	63.65, -26.68, 24.70
CIElCh	64, 36.356, 137.207
Yxy	32.3696, 0.3178, 0.4262
Android (android.graphics.Color)	4286097005 (0xFF78A66D)
YUV	145.7480, -18.1168, -22.5810
Hunter-Lab	56.8943, -23.8386, 19.5643

Details

The Yxy color **32.3696, 0.3178, 0.4262** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.6657, 0.3036, 0.2424**, and the grayscale version is **28.7107, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.2848, 0.3182, 0.4048**, and **13.6368, 0.3157, 0.4622** is the 20% darker color. If you saturate the color by 10%, you get **31.1542, 0.3183, 0.4592**, and if you desaturate by 10%, it is **33.7896, 0.3167, 0.3948**.

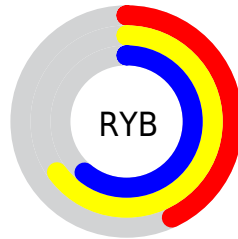
Distribution



Red (47%)

Green (65%)

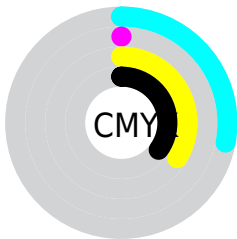
Blue (43%)



Red (43%)

Yellow (65%)

Blue (61%)

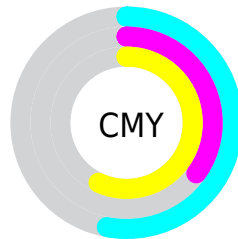


Cyan (28%)

Magenta (0%)

Yellow (34%)

Black (35%)



Cyan (53%)


Magenta (35%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.3696, 0.3178, 0.4262 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 32.3696, 0.3178, 0.4262 by changing the saturation by 10% instead.


 32.3696, 0.3178,
0.4262

 32.3696, 0.3178,
0.4262


312.7995, 0.3165,
0.3723


 21.6440, 0.3175,
0.4416


 63.3901, 0.3178,
0.4052


 13.5955, 0.3165,
0.4626


 84.4537, 0.3176,
0.3978

 7.8399, 0.3141,
0.4927


 109.7321, 0.3174,
0.3917

 3.9927, 0.3079,
0.5391

 139.6096, 0.3172,
0.3865

 1.6695, 0.3198,
0.6802

174.4707, 0.3171,
0.3822

 0.4038, 0.0000,
1.0000

214.6998, 0.3169,

 0.0000, 0.0000,

0.3784

0.0000

260.6813, 0.3167,
0.3752

■ 32.3696, 0.3178,
0.4262

■ 32.3696, 0.3178,
0.4262

■ 31.1542, 0.3183,
0.4592

■ 33.7896, 0.3167,
0.3948

■ 30.1300, 0.3181,
0.4925

■ 35.4188, 0.3152,
0.3657

■ 29.2881, 0.3170,
0.5240

■ 37.2669, 0.3135,
0.3395


■ 28.6175, 0.3150,
0.5518

■ 39.3415, 0.3117,
0.3161

■ 28.1057, 0.3121,
0.5737

■ 41.6502, 0.3098,
0.2956


 27.7386, 0.3085,
0.5884

 44.1999, 0.3079,
0.2776

 27.5827, 0.3068,
0.5946

 46.9975, 0.3061,
0.2618

 50.0493, 0.3044,
0.2481

 53.1399, 0.3053,
0.2391

Harmonies

Analogous

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



32.3696, 0.3727, 0.4314



32.3696, 0.3178, 0.4262



32.3696, 0.2642, 0.3855

Triad

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



32.3696, 0.3178, 0.4262



32.3696, 0.2184, 0.2467



32.3696, 0.4065, 0.3203

Complementary

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



32.3696, 0.3178, 0.4262



20.6657, 0.3036, 0.2424

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.



32.3696, 0.3577, 0.2803



32.3696, 0.3178, 0.4262



32.3696, 0.2492, 0.2390

Square

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



32.3696, 0.3178, 0.4262



32.3696, 0.2102, 0.2767



32.3696, 0.2991, 0.2514



32.3696, 0.4272, 0.3649

Rectangle

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



32.3696, 0.3178, 0.4262



32.3696, 0.2364, 0.3470



32.3696, 0.2991, 0.2514



32.3696, 0.3927, 0.3061

Sweetspot

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



32.3710, 0.3178, 0.4262



65.6151, 0.3145, 0.3545



32.5260, 0.3684, 0.3975



14.5838, 0.3148, 0.3581



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.



32.3710, 0.3178, 0.4262



57.0674, 0.3183, 0.4506



32.0377, 0.2948, 0.3982



8.4745, 0.3144, 0.3521



21.4010, 0.3072, 0.5943



0.5398, 0.3279, 0.5779

Inverse Universe

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



20.6657, 0.3036, 0.2424



32.6404, 0.3008, 0.2235



21.2126, 0.3373, 0.2688



7.5928, 0.3108, 0.3065



6.0922, 0.2736, 0.1281



0.1664, 0.2902, 0.1372

Previews

White Background



This preview shows how the Yxy color 32.3696, 0.3178, 0.4262 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 32.3696, 0.3178, 0.4262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

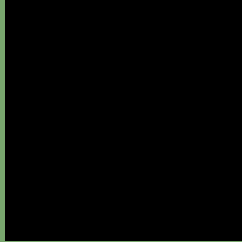
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.3696, 0.3178, 0.4262

Background



This preview shows how black text looks on a background with the Yxy color 32.3696, 0.3178, 0.4262.



This preview shows how white text looks on a background with the Yxy color 32.3696, 0.3178, 0.4262.

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

32.3696, 0.3178, 0.4262

Protanopia

32.2177, 0.3734, 0.4040

Deuteranopia

32.0048, 0.3857, 0.3775



Tritanopia

32.1398, 0.2764, 0.3086

Trichromacy



Original Color

32.3696, 0.3178, 0.4262

Protanomaly

31.8839, 0.3514, 0.4116

Deuteranomaly

31.6520, 0.3582, 0.3939

Tritanomaly

32.0635, 0.2916, 0.3502

Monochromacy



Original Color

32.3696, 0.3178, 0.4262

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.7943, 0.3152, 0.3620

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3696, 0.3178, 0.4262 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(120, 166, 109)` looks like.

```
.text, #text, p{  
    color:rgb(120, 166, 109)  
}
```

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(120, 166, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 166, 109) }
```

Border

The CSS property to change the border of an element to Yxy 32.3696, 0.3178, 0.4262 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(120, 166, 109) }
```

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

```
.border{ border-color:rgb(120, 166, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 166, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 166, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 166, 109);  
box-shadow:4px 4px 4px 4px rgb(120, 166,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 32.3696, 0.3178, 0.4262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 166, 109) }
```

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

```
.background{ background-color: rgb(120,  
166, 109) }
```

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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