

Converting Colors

$Yxy(30.3488, 0.2987, 0.4223)$

Have a look what the booklet for
Yxy(30.3488, 0.2987, 0.4223)
contains.

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Color

$\text{Yxy}(30.4875, 0.2990, 0.4227)$

Conversions

Conversions Part 1

Format	Color
Hex	65A470
RGB	101, 164, 112
RGB Percent	40%, 64%, 44%
CMY	0.6039, 0.3568, 0.5608
CMYK	0.38, 0.00, 0.32, 0.36
HSL	130°, 26%, 52%
HSV	130°, 38%, 64%
XYZ	21.5656, 30.4875, 20.0726
YIQ	139.2350, -20.8560, -29.5280

Conversions

Conversions Part 2

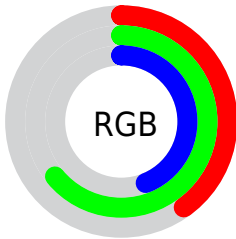
Format	Color
RYB	101, 155, 164
Decimal	6661232
CIELab	62.07, -31.56, 20.78
CIElCh	62, 37.787, 146.636
Yxy	30.4875, 0.2990, 0.4227
Android (android.graphics.Color)	4284851312 (0xFF65A470)
YUV	139.2350, -13.4269, -33.5321
Hunter-Lab	55.2155, -26.9102, 17.0971

Details

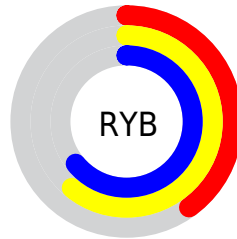
The Yxy color **30.4875, 0.2990, 0.4227** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.4995, 0.3307, 0.2507**, and the grayscale version is **25.9723, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2134, 0.3025, 0.4016**, and **12.6115, 0.2908, 0.4592** is the 20% darker color. If you saturate the color by 10%, you get **29.3555, 0.2961, 0.4524**, and if you desaturate by 10%, it is **31.8563, 0.3024, 0.3948**.

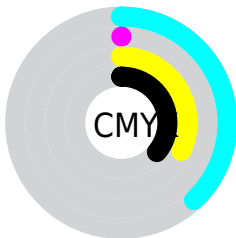
Distribution



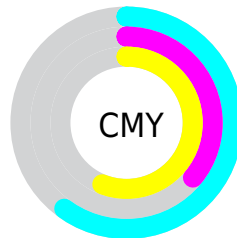
- Red (40%)
- Green (64%)
- Blue (44%)



- Red (40%)
- Yellow (61%)
- Blue (64%)



- Cyan (38%)
- Magenta (0%)
- Yellow (32%)
- Black (36%)



- Cyan (60%)
- Magenta (36%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4875, 0.2990, 0.4227 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 30.4875, 0.2990, 0.4227 by changing the saturation by 10% instead.

 30.4875, 0.2990,
0.4227

 30.4875, 0.2990,
0.4227


304.1702, 0.3077,
0.3700

 20.2089, 0.2960,
0.4381


 60.4323, 0.3027,
0.4020


 12.5470, 0.2915,
0.4595


 80.8673, 0.3039,
0.3947

 7.1174, 0.2842,
0.4909


 105.4565, 0.3049,
0.3887

 3.5356, 0.2709,
0.5410

 134.5844, 0.3057,
0.3837

 1.4173, 0.2604,
0.7384

168.6353, 0.3063,
0.3795

 0.2294, 0.0000,
1.0000

207.9936, 0.3069,

 0.0000, 0.0000,

0.3759

0.0000

253.0438, 0.3073,
0.3728

■ 30.4875, 0.2990,
0.4227

■ 30.4875, 0.2990,
0.4227

■ 29.3555, 0.2961,
0.4524

■ 31.8563, 0.3024,
0.3948

■ 28.4432, 0.2939,
0.4829

■ 33.4704, 0.3060,
0.3692

■ 27.7371, 0.2926,
0.5126

■ 35.3423, 0.3097,
0.3463

■ 27.2209, 0.2924,
0.5399

■ 37.4829, 0.3133,
0.3260

■ 26.8753, 0.2934,
0.5629


■ 39.9021, 0.3168,
0.3082


 26.6673, 0.2951,
0.5806

 42.6096, 0.3201,
0.2928

 26.6397, 0.2953,
0.5829

 45.6144, 0.3232,
0.2794

 48.9252, 0.3260,
0.2678

 52.5503, 0.3287,
0.2577

Harmonies

Analogous

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



30.4875, 0.3583, 0.4402



30.4875, 0.2990, 0.4227



30.4875, 0.2463, 0.3702

Triad

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



30.4875, 0.2990, 0.4227



30.4875, 0.2210, 0.2372



30.4875, 0.4230, 0.3340

Complementary

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



30.4875, 0.2990, 0.4227



19.4995, 0.3307, 0.2507

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.



30.4875, 0.3788, 0.2898



30.4875, 0.2990, 0.4227



30.4875, 0.2602, 0.2363

Square

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



30.4875, 0.2990, 0.4227



30.4875, 0.2048, 0.2609



30.4875, 0.3174, 0.2552



30.4875, 0.4332, 0.3808

Rectangle

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



30.4875, 0.2990, 0.4227



30.4875, 0.2216, 0.3280



30.4875, 0.3174, 0.2552



30.4875, 0.4115, 0.3186

Sweetspot

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



30.4888, 0.2990, 0.4227



62.7983, 0.3083, 0.3547



34.3138, 0.3581, 0.4258



13.6382, 0.3078, 0.3574



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.



30.4888, 0.2990, 0.4227



53.5742, 0.2965, 0.4477



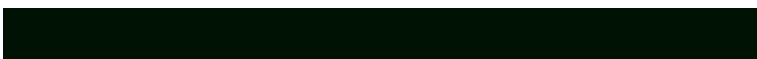
31.3025, 0.2754, 0.3653



7.9143, 0.3093, 0.3481



20.4297, 0.2949, 0.5816



0.4346, 0.2794, 0.5257

Inverse Universe

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



19.4995, 0.3307, 0.2507



30.7724, 0.3357, 0.2344



18.6042, 0.3736, 0.2960



7.1809, 0.3163, 0.3106



7.4075, 0.3696, 0.1810



0.1609, 0.3493, 0.1698

Previews

White Background



This preview shows how the Yxy color 30.4875, 0.2990, 0.4227 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 30.4875, 0.2990, 0.4227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

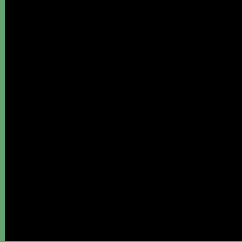
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.4875, 0.2990, 0.4227

Background



This preview shows how black text looks on a background with the Yxy color 30.4875, 0.2990, 0.4227.



This preview shows how white text looks on a background with the Yxy color 30.4875, 0.2990, 0.4227.

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

30.4875, 0.2990, 0.4227

Protanopia

30.1126, 0.3684, 0.3955

Deuteranopia

30.0432, 0.3756, 0.3674



Tritanopia

30.4892, 0.2641, 0.3093

Trichromacy



Original Color

30.4875, 0.2990, 0.4227

Protanomaly

29.6829, 0.3403, 0.4055

Deuteranomaly

29.6669, 0.3443, 0.3873

Tritanomaly

30.5309, 0.2772, 0.3494

Monochromacy



Original Color

30.4875, 0.2990, 0.4227

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

27.1248, 0.3071, 0.3620

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4875, 0.2990, 0.4227 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(101, 164, 112)` looks like.

```
.text, #text, p{  
    color:rgb(101, 164, 112)  
}
```

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(101, 164, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 164, 112) }
```

Border

The CSS property to change the border of an element to Yxy 30.4875, 0.2990, 0.4227 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(101, 164, 112) }
```

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

```
.border{ border-color:rgb(101, 164, 112) }
```

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

Here you see how a box with a 4 pixel rgb(101, 164, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 164, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 164, 112);  
box-shadow:4px 4px 4px 4px rgb(101, 164,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4875, 0.2990, 0.4227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 164, 112) }
```

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

```
.background{ background-color: rgb(101,  
164, 112) }
```

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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