

Converting Colors

$Y_{xy}(28.0583, 0.3076, 0.4238)$

Have a look what the booklet for
Yxy(28.0583, 0.3076, 0.4238)
contains.

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Color

Yxy(28.1371, 0.3082, 0.4245)

Conversions

Conversions Part 1

Format	Color
Hex	699D69
RGB	105, 157, 105
RGB Percent	41%, 62%, 41%
CMY	0.5884, 0.3843, 0.5883
CMYK	0.33, 0.00, 0.33, 0.38
HSL	120°, 21%, 51%
HSV	120°, 33%, 62%
XYZ	20.4284, 28.1371, 17.7174
YIQ	135.5240, -14.3000, -27.1960

Conversions

Conversions Part 2

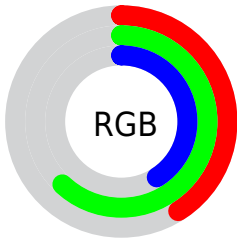
Format	Color
RYB	105, 157, 157
Decimal	6921577
CIELab	60.01, -28.14, 21.87
CIELCh	60, 35.635, 142.146
Yxy	28.1371, 0.3082, 0.4245
Android (android.graphics.Color)	4285111657 (0xFF699D69)
YUV	135.5240, -15.0483, -26.7695
Hunter-Lab	53.0444, -24.0840, 17.3276

Details

The Yxy color $28.1371, 0.3082, 0.4245$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $19.6970, 0.3165, 0.2490$, and the grayscale version is $24.4917, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.7904, 0.3100, 0.4026$, and $11.2108, 0.3041, 0.4628$ is the 20% darker color. If you saturate the color by 10%, you get $26.9808, 0.3066, 0.4590$, and if you desaturate by 10%, it is $29.5309, 0.3097, 0.3921$.

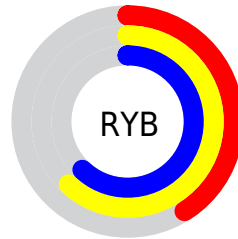
Distribution



Red (41%)

Green (62%)

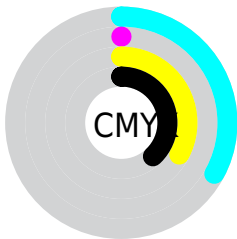
Blue (41%)



Red (41%)

Yellow (62%)

Blue (62%)

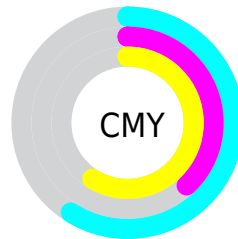


Cyan (33%)

Magenta (0%)

Yellow (33%)

Black (38%)



Cyan (59%)


Magenta (38%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1371, 0.3082, 0.4245 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 28.1371, 0.3082, 0.4245 by changing the saturation by 10% instead.


 28.1371, 0.3082,
0.4245


 28.1371, 0.3082,
0.4245


293.1215, 0.3120,
0.3703


 18.4290, 0.3064,
0.4406


 56.7033, 0.3101,
0.4030


 11.2584, 0.3035,
0.4631


 76.3301, 0.3107,
0.3955

 6.2409, 0.2982,
0.4964


 100.0321, 0.3111,
0.3894

 2.9921, 0.2871,
0.5504

 128.1935, 0.3114,
0.3843

 1.1276, 0.2454,
0.7546

161.1987, 0.3116,
0.3800

 0.0014, 0.0000,
1.0000

199.4322, 0.3118,

 0.0000, 0.0000,

0.3763

0.0000

243.2783, 0.3119,
0.3731

■ 28.1371, 0.3082,
0.4245

■ 28.1371, 0.3082,
0.4245

■ 26.9808, 0.3066,
0.4590

■ 29.5309, 0.3097,
0.3921

■ 26.0453, 0.3049,
0.4941

■ 31.1704, 0.3111,
0.3627

■ 25.3177, 0.3034,
0.5276


■ 33.0681, 0.3124,
0.3365


■ 24.7822, 0.3020,
0.5567


■ 35.2344, 0.3134,
0.3137


■ 24.4205, 0.3009,
0.5792

■ 37.6792, 0.3144,
0.2940

 24.2111, 0.3003,
0.5933

 40.4120, 0.3152,
0.2770

 24.1181, 0.3000,
0.5999

 43.4415, 0.3159,
0.2624

 46.7765, 0.3165,
0.2499

 50.4250, 0.3170,
0.2392

Harmonies

Analogous

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



28.1371, 0.3654, 0.4359



28.1371, 0.3082, 0.4245



28.1371, 0.2551, 0.3778

Triad

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



28.1371, 0.3082, 0.4245



28.1371, 0.2197, 0.2418



28.1371, 0.4150, 0.3274

Complementary

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



28.1371, 0.3082, 0.4245



19.6970, 0.3165, 0.2490

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.



28.1371, 0.3684, 0.2852



28.1371, 0.3082, 0.4245



28.1371, 0.2548, 0.2376

Square

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



28.1371, 0.3082, 0.4245



28.1371, 0.2075, 0.2685



28.1371, 0.3083, 0.2534



28.1371, 0.4303, 0.3730

Rectangle

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



28.1371, 0.3082, 0.4245



28.1371, 0.2288, 0.3373



28.1371, 0.3083, 0.2534



28.1371, 0.4023, 0.3126

Sweetspot

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



28.1383, 0.3082, 0.4245



56.7713, 0.3115, 0.3546



32.3061, 0.3614, 0.4094



12.3986, 0.3113, 0.3581



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



28.1383, 0.3082, 0.4245



48.7692, 0.3070, 0.4507



28.7567, 0.2869, 0.3755



7.4011, 0.3116, 0.3521



19.5852, 0.3000, 0.5999



0.3502, 0.2999, 0.5996

Inverse Universe

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



19.6970, 0.3165, 0.2490



31.2115, 0.3174, 0.2314



18.9018, 0.3500, 0.2870



6.7545, 0.3138, 0.3070



7.7957, 0.3211, 0.1543



0.1394, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 28.1371, 0.3082, 0.4245 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 28.1371, 0.3082, 0.4245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

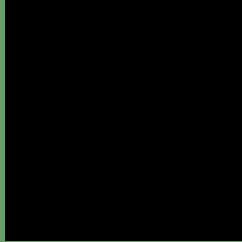
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.1371, 0.3082, 0.4245

Background



This preview shows how black text looks on a background with the Yxy color 28.1371, 0.3082, 0.4245.



This preview shows how white text looks on a background with the Yxy color 28.1371, 0.3082, 0.4245.

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

28.1371, 0.3082, 0.4245

Protanopia

27.9153, 0.3722, 0.4006

Deuteranopia

27.7161, 0.3799, 0.3732



Tritanopia

28.1343, 0.2704, 0.3089

Trichromacy



Original Color

28.1371, 0.3082, 0.4245

Protanomaly

27.7528, 0.3463, 0.4105

Deuteranomaly

27.4445, 0.3511, 0.3903

Tritanomaly

28.1503, 0.2844, 0.3499

Monochromacy



Original Color

28.1371, 0.3082, 0.4245

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.7872, 0.3111, 0.3625

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1371, 0.3082, 0.4245 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(105, 157, 105)` looks like.

```
.text, #text, p{  
    color:rgb(105, 157, 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(105, 157, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 157, 105) }
```

Border

The CSS property to change the border of an element to Yxy 28.1371, 0.3082, 0.4245 is called "border". The border property can be set on classes, ids or directly on the HTML element.

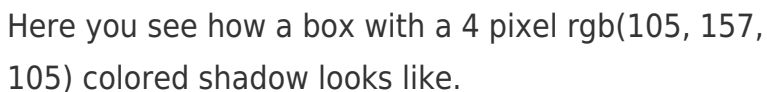
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 157, 105) }
```

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

```
.border{ border-color:rgb(105, 157, 105) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 157, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 157, 105); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 157, 105); box-shadow:4px 4px 4px 4px rgb(105, 157, 105) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1371, 0.3082, 0.4245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 157, 105) }
```

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

```
.background{ background-color: rgb(105,  
157, 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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