

Converting Colors

$Y_{xy}(28.6691, 0.2975, 0.4427)$

Have a look what the booklet for
Yxy(28.6691, 0.2975, 0.4427)
contains.

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Color

$\text{Yxy}(28.5532, 0.2975, 0.4422)$

Conversions

Conversions Part 1

Format	Color
Hex	59A165
RGB	89, 161, 101
RGB Percent	35%, 63%, 40%
CMY	0.6512, 0.3686, 0.6040
CMYK	0.45, 0.00, 0.37, 0.37
HSL	130°, 29%, 49%
HSV	130°, 45%, 63%
XYZ	19.2098, 28.5532, 16.8078
YIQ	132.6320, -23.6520, -33.9240

Conversions

Conversions Part 2

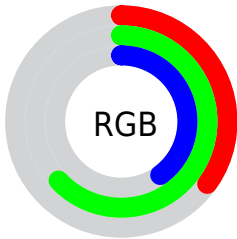
Format	Color
RYB	89, 151, 161
Decimal	5874021
CIELab	60.39, -35.82, 24.41
CIELCh	60, 43.348, 145.726
Yxy	28.5532, 0.2975, 0.4422
Android (android.graphics.Color)	4284064101 (0xFF59A165)
YUV	132.6320, -15.5946, -38.2653
Hunter-Lab	53.4352, -29.3413, 18.7553

Details

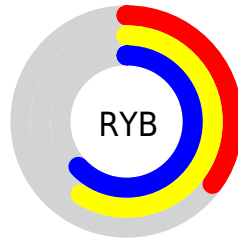
The Yxy color **28.5532, 0.2975, 0.4422** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.8842, 0.3336, 0.2378**, and the grayscale version is **23.3752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2184, 0.3026, 0.4167**, and **11.5516, 0.2884, 0.4896** is the 20% darker color. If you saturate the color by 10%, you get **27.6018, 0.2950, 0.4727**, and if you desaturate by 10%, it is **29.7241, 0.3005, 0.4128**.

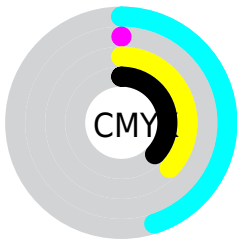
Distribution



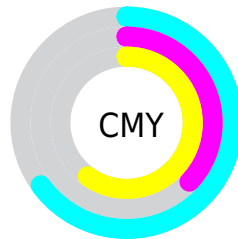
- Red (35%)
- Green (63%)
- Blue (40%)



- Red (35%)
- Yellow (59%)
- Blue (63%)



- Cyan (45%)
- Magenta (0%)
- Yellow (37%)
- Black (37%)





- Cyan (65%)
- Magenta (37%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.5532, 0.2975, 0.4422 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 28.5532, 0.2975, 0.4422 by changing the saturation by 10% instead.


 28.5532, 0.2975,
0.4422


 28.5532, 0.2975,
0.4422


295.1010, 0.3077,
0.3775


 18.7431, 0.2937,
0.4616


 57.3664, 0.3020,
0.4165

 11.4848, 0.2879,
0.4887


 77.1384, 0.3034,
0.4075

 6.3939, 0.2780,
0.5289


 100.9997, 0.3046,
0.4002

 3.0860, 0.2599,
0.5953

 129.3348, 0.3054,
0.3941

 1.1768, 0.1565,
0.8435

162.5281, 0.3062,
0.3890

 0.0427, 0.0000,
1.0000

200.9639, 0.3068,

 0.0000, 0.0000,

0.3846

0.0000

245.0268, 0.3073,
0.3808

■ 28.5532, 0.2975,
0.4422

■ 28.5532, 0.2975,
0.4422

■ 27.6018, 0.2950,
0.4727

■ 29.7241, 0.3005,
0.4128

■ 26.8527, 0.2934,
0.5030

■ 31.1232, 0.3039,
0.3855

■ 26.2920, 0.2928,
0.5315


■ 32.7633, 0.3075,
0.3607


■ 25.9025, 0.2933,
0.5563


■ 34.6549, 0.3111,
0.3386


■ 25.6631, 0.2948,
0.5758

■ 36.8082, 0.3145,
0.3191

 25.5721, 0.2955,
0.5838

 39.2325, 0.3178,
0.3021

 41.9370, 0.3210,
0.2873

 44.9301, 0.3239,
0.2745

 48.2202, 0.3266,
0.2634

Harmonies

Analogous

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



28.5532, 0.3662, 0.4596



28.5532, 0.2975, 0.4422



28.5532, 0.2366, 0.3797

Triad

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



28.5532, 0.2975, 0.4422



28.5532, 0.2062, 0.2235



28.5532, 0.4411, 0.3316

Complementary

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



28.5532, 0.2975, 0.4422



16.8842, 0.3336, 0.2378

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.



28.5532, 0.3880, 0.2819



28.5532, 0.2975, 0.4422



28.5532, 0.2498, 0.2224

Square

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



28.5532, 0.2975, 0.4422



28.5532, 0.1888, 0.2503



28.5532, 0.3153, 0.2434



28.5532, 0.4534, 0.3849

Rectangle

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



28.5532, 0.2975, 0.4422



28.5532, 0.2082, 0.3290



28.5532, 0.3153, 0.2434



28.5532, 0.4272, 0.3142

Sweetspot

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



28.5544, 0.2975, 0.4422



59.1497, 0.3080, 0.3572



32.6036, 0.3648, 0.4414



12.8265, 0.3073, 0.3621



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



28.5544, 0.2975, 0.4422



49.3858, 0.2950, 0.4735



29.4209, 0.2705, 0.3724



7.9135, 0.3094, 0.3483



20.4251, 0.2952, 0.5828



0.4343, 0.2801, 0.5284

Inverse Universe

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



16.8842, 0.3336, 0.2378



25.6978, 0.3398, 0.2192



15.9068, 0.3883, 0.2907



7.1818, 0.3162, 0.3105



7.4338, 0.3672, 0.1797



0.1613, 0.3480, 0.1691

Previews

White Background



This preview shows how the Yxy color 28.5532, 0.2975, 0.4422 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 28.5532, 0.2975, 0.4422 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 28.5532, 0.2975, 0.4422

Background



This preview shows how black text looks on a background with the Yxy color 28.5532, 0.2975, 0.4422.



This preview shows how white text looks on a background with the Yxy color 28.5532, 0.2975, 0.4422.

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

28.5532, 0.2975, 0.4422

Protanopia

28.2270, 0.3779, 0.4094

Deuteranopia

28.1638, 0.3850, 0.3788



Tritanopia

28.4192, 0.2578, 0.3069

Trichromacy



Original Color

28.5532, 0.2975, 0.4422

Protanomaly

27.9018, 0.3438, 0.4219

Deuteranomaly

27.5296, 0.3487, 0.4013

Tritanomaly

28.3266, 0.2724, 0.3539

Monochromacy



Original Color

28.5532, 0.2975, 0.4422

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

24.8073, 0.3067, 0.3691

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5532, 0.2975, 0.4422 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(89, 161, 101)` looks like.

```
.text, #text, p{  
    color:rgb(89, 161, 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(89, 161, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 161, 101) }
```

Border

The CSS property to change the border of an element to Yxy 28.5532, 0.2975, 0.4422 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(89, 161, 101) }
```

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

```
.border{ border-color:rgb(89, 161, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 161, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 161, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 161, 101);  
box-shadow:4px 4px 4px 4px rgb(89, 161,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5532, 0.2975, 0.4422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 161, 101) }
```

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

```
.background{ background-color: rgb(89, 161,  
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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