

Converting Colors

$Y_{xy}(28.1898, 0.2744, 0.4319)$

Have a look what the booklet for
Yxy(28.1898, 0.2744, 0.4319)
contains.

Yxy(28.0564, 0.2740, 0.4308)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(28.0564, 0.2740, 0.4308)

Conversions

Conversions Part 1

Format	Color
Hex	40A26E
RGB	64, 162, 110
RGB Percent	25%, 64%, 43%
CMY	0.7494, 0.3647, 0.5686
CMYK	0.61, 0.00, 0.32, 0.36
HSL	148°, 43%, 44%
HSV	148°, 61%, 64%
XYZ	17.8446, 28.0564, 19.2253
YIQ	126.7700, -41.7160, -36.9480

Conversions

Conversions Part 2

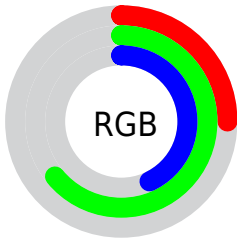
Format	Color
RYB	64, 131, 162
Decimal	4235886
CIELab	59.94, -41.02, 18.73
CIELCh	60, 45.096, 155.462
Yxy	28.0564, 0.2740, 0.4308
Android (android.graphics.Color)	4282425966 (0xFF40A26E)
YUV	126.7700, -8.2676, -55.0493
Hunter-Lab	52.9683, -32.5593, 15.5580

Details

The Yxy color **28.0564, 0.2740, 0.4308** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.5988, 0.3947, 0.2502**, and the grayscale version is **21.1726, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8164, 0.2833, 0.4077**, and **11.2851, 0.2638, 0.4697** is the 20% darker color. If you saturate the color by 10%, you get **27.4137, 0.2716, 0.4513**, and if you desaturate by 10%, it is **28.8772, 0.2781, 0.4108**.

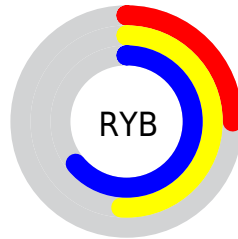
Distribution



Red (25%)

Green (64%)

Blue (43%)



Red (25%)

Yellow (51%)

Blue (64%)

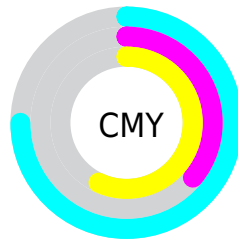


Cyan (61%)

Magenta (0%)

Yellow (32%)

Black (36%)



Cyan (75%)


Magenta (36%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0564, 0.2740, 0.4308 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 28.0564, 0.2740, 0.4308 by changing the saturation by 10% instead.

 28.0564, 0.2740,
0.4308


 28.0564, 0.2740,
0.4308


292.7363, 0.2965,
0.3725

 18.3682, 0.2670,
0.4484


 56.5745, 0.2831,
0.4075


 11.2146, 0.2571,
0.4733


 76.1731, 0.2862,
0.3994


 6.2114, 0.2419,
0.5106

 99.8440, 0.2888,
0.3928

 2.9740, 0.2161,
0.5722

 127.9716, 0.2909,
0.3874

 1.1182, 0.0382,
0.9618

 160.9402, 0.2926,
0.3828

 0.0000, 0.0000,
0.0000

199.1343, 0.2941,

0.3788

242.9382, 0.2954,
0.3754

■ 28.0564, 0.2740,
0.4308

■ 28.0564, 0.2740,
0.4308

■ 27.4137, 0.2716,
0.4513

■ 28.8772, 0.2781,
0.4108

■ 26.9311, 0.2709,
0.4717

■ 29.8856, 0.2835,
0.3918

■ 26.5926, 0.2723,
0.4914

■ 31.0944, 0.2899,
0.3740

■ 26.3681, 0.2747,
0.5091

■ 32.5144, 0.2970,
0.3577

■ 34.1553, 0.3045,
0.3429

■ 36.0265, 0.3123,
0.3297

■ 38.1368, 0.3201,
0.3179

■ 40.4943, 0.3277,
0.3075

■ 43.1069, 0.3351,
0.2983

Harmonies

Analogous

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



28.0564, 0.3450, 0.4660



28.0564, 0.2740, 0.4308



28.0564, 0.2173, 0.3559

Triad

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



28.0564, 0.2740, 0.4308



28.0564, 0.2137, 0.2162



28.0564, 0.4563, 0.3490

Complementary

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



28.0564, 0.2740, 0.4308



12.5988, 0.3947, 0.2502

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.



28.0564, 0.4131, 0.2956



28.0564, 0.2740, 0.4308



28.0564, 0.2670, 0.2230

Square

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



28.0564, 0.2740, 0.4308



28.0564, 0.1868, 0.2346



28.0564, 0.3403, 0.2512



28.0564, 0.4537, 0.4039

Rectangle

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



28.0564, 0.2740, 0.4308



28.0564, 0.1942, 0.3043



28.0564, 0.3403, 0.2512



28.0564, 0.4467, 0.3307

Sweetspot

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



28.0575, 0.2740, 0.4308



59.6410, 0.2986, 0.3543



29.9429, 0.3482, 0.4947



13.2189, 0.2966, 0.3586



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.



28.0575, 0.2740, 0.4308



49.3907, 0.2711, 0.4591



29.4261, 0.2418, 0.3346



7.9478, 0.3055, 0.3412



20.7787, 0.2743, 0.5075



0.4461, 0.2549, 0.4377

Inverse Universe

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



12.5988, 0.3947, 0.2502



18.7518, 0.4240, 0.2396



11.7470, 0.4908, 0.3248



7.1458, 0.3206, 0.3171



6.5884, 0.4794, 0.2415



0.1479, 0.4084, 0.2023

Previews

White Background



This preview shows how the Yxy color 28.0564, 0.2740, 0.4308 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 28.0564, 0.2740, 0.4308 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 28.0564, 0.2740, 0.4308

Background



This preview shows how black text looks on a background with the Yxy color 28.0564, 0.2740, 0.4308.



This preview shows how white text looks on a background with the Yxy color 28.0564, 0.2740, 0.4308.

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

28.0564, 0.2740, 0.4308

Protanopia

27.5728, 0.3685, 0.3948

Deuteranopia

27.6303, 0.3709, 0.3644



Tritanopia

28.0265, 0.2437, 0.3080

Trichromacy



Original Color

28.0564, 0.2740, 0.4308

Protanomaly

26.9702, 0.3260, 0.4093

Deuteranomaly

26.8055, 0.3277, 0.3883

Tritanomaly

28.0249, 0.2544, 0.3509

Monochromacy



Original Color

28.0564, 0.2740, 0.4308

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

23.0797, 0.2934, 0.3653

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0564, 0.2740, 0.4308 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(64, 162, 110)` looks like.

```
.text, #text, p{  
    color:rgb(64, 162, 110)  
}
```

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(64, 162, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 162, 110) }
```

Border

The CSS property to change the border of an element to Yxy 28.0564, 0.2740, 0.4308 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(64, 162, 110) }
```

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

```
.border{ border-color:rgb(64, 162, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 162, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 162, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 162, 110);  
box-shadow:4px 4px 4px 4px rgb(64, 162,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0564, 0.2740, 0.4308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 162, 110) }
```

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

```
.background{ background-color: rgb(64, 162,  
110) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor