

Converting Colors

$Yxy(28.6584, 0.2540, 0.4060)$

Have a look what the booklet for
Yxy(28.6584, 0.2540, 0.4060)
contains.

Yxy(28.8421, 0.2544, 0.4068)	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

$Y_{xy}(28.8421, 0.2544, 0.4068)$

Conversions

Conversions Part 1

Format	Color
Hex	28A57D
RGB	40, 165, 125
RGB Percent	16%, 65%, 49%
CMY	0.8425, 0.3530, 0.5098
CMYK	0.76, 0.00, 0.24, 0.35
HSL	161°, 61%, 40%
HSV	161°, 76%, 65%
XYZ	18.0369, 28.8421, 24.0209
YIQ	123.0650, -61.6600, -38.9400

Conversions

Conversions Part 2

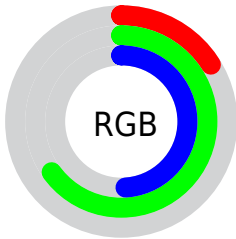
Format	Color
R _Y B	40, 114, 165
Decimal	2663805
CIE Lab	60.64, -43.03, 11.29
CIE LCh	61, 44.483, 165.293
Yxy	28.8421, 0.2544, 0.4068
Android (android.graphics.Color)	4280853885 (0xFF28A57D)
YUV	123.0650, 0.9540, -72.8480
Hunter-Lab	53.7048, -34.0337, 11.0744

Details

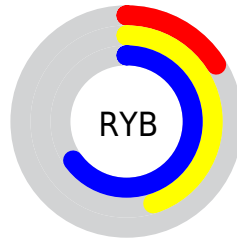
The Yxy color **28.8421, 0.2544, 0.4068** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **10.1089, 0.4861, 0.2771**, and the grayscale version is **19.8580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9305, 0.2668, 0.3892**, and **12.1101, 0.2534, 0.4324** is the 20% darker color. If you saturate the color by 10%, you get **28.4474, 0.2532, 0.4189**, and if you desaturate by 10%, it is **29.3876, 0.2575, 0.3948**.

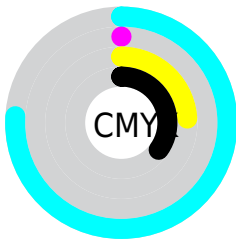
Distribution



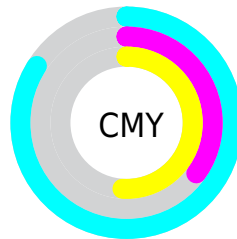
- Red (16%)
- Green (65%)
- Blue (49%)



- Red (16%)
- Yellow (45%)
- Blue (65%)



- Cyan (76%)
- Magenta (0%)
- Yellow (24%)
- Black (35%)



- Cyan (84%)
- Magenta (35%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8421, 0.2544, 0.4068 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 28.8421, 0.2544, 0.4068 by changing the saturation by 10% instead.


 28.8421, 0.2544,
0.4068


 28.8421, 0.2544,
0.4068

 296.4692, 0.2866,
0.3630

 18.9614, 0.2452,
0.4197


 57.8261, 0.2669,
0.3895


 11.6424, 0.2326,
0.4377


 77.6982, 0.2714,
0.3834

 6.5007, 0.2144,
0.4645


 101.6696, 0.2750,
0.3785

 3.1518, 0.1859,
0.5078

 130.1246, 0.2781,
0.3743

 1.2115, 0.0392,
0.6828

 163.4477, 0.2807,
0.3708

 0.0711, 0.0000,
1.0000

 202.0232, 0.2830,

 0.0000, 0.0000,

0.3678

0.0000

246.2356, 0.2849,
0.3652

■ 28.8421, 0.2544,
0.4068

■ 28.8421, 0.2544,
0.4068

■ 28.4474, 0.2532,
0.4189

■ 29.3876, 0.2575,
0.3948

■ 28.1791, 0.2539,
0.4309

■ 30.0964, 0.2625,
0.3830

■ 28.0809, 0.2545,
0.4361

■ 30.9838, 0.2691,
0.3717

■ 32.0621, 0.2771,
0.3610

■ 33.3425, 0.2863,
0.3510

■ 34.8356, 0.2962,
0.3418

■ 36.5509, 0.3067,
0.3334

■ 38.4975, 0.3174,
0.3258

■ 40.6840, 0.3283,
0.3191

Harmonies

Analogous

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



28.8421, 0.3214, 0.4573



28.8421, 0.2544, 0.4068



28.8421, 0.2065, 0.3299

Triad

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



28.8421, 0.2544, 0.4068



28.8421, 0.2301, 0.2180



28.8421, 0.4574, 0.3668

Complementary

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



28.8421, 0.2544, 0.4068



10.1089, 0.4861, 0.2771

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.



28.8421, 0.4291, 0.3130



28.8421, 0.2544, 0.4068



28.8421, 0.2901, 0.2320

Square

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



28.8421, 0.2544, 0.4068



28.8421, 0.1949, 0.2277



28.8421, 0.3645, 0.2656



28.8421, 0.4408, 0.4192

Rectangle

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



28.8421, 0.2544, 0.4068



28.8421, 0.1901, 0.2836



28.8421, 0.3645, 0.2656



28.8421, 0.4530, 0.3486

Sweetspot

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



28.8432, 0.2544, 0.4068



60.2833, 0.2884, 0.3488



28.8460, 0.3275, 0.5461



12.9910, 0.2851, 0.3521



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.



28.8432, 0.2544, 0.4068



50.5949, 0.2535, 0.4273



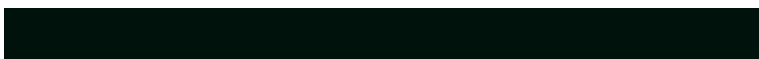
23.1746, 0.2210, 0.2897



7.9725, 0.3028, 0.3363



21.2548, 0.2541, 0.4349



0.4546, 0.2421, 0.3917

Inverse Universe

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



10.1089, 0.4861, 0.2771



15.4063, 0.5441, 0.2838



11.4874, 0.5428, 0.3549



7.1216, 0.3237, 0.3218



6.2533, 0.5642, 0.2882



0.1397, 0.4679, 0.2351

Previews

White Background



This preview shows how the Yxy color 28.8421, 0.2544, 0.4068 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 28.8421, 0.2544, 0.4068 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 28.8421, 0.2544, 0.4068

Background



This preview shows how black text looks on a background with the Yxy color 28.8421, 0.2544, 0.4068.



This preview shows how white text looks on a background with the Yxy color 28.8421, 0.2544, 0.4068.

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

28.8421, 0.2544, 0.4068

Protanopia

28.3586, 0.3530, 0.3771

Deuteranopia

28.3942, 0.3501, 0.3429



Tritanopia

28.8648, 0.2329, 0.3062

Trichromacy



Original Color

28.8421, 0.2544, 0.4068



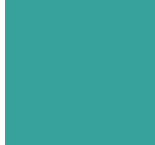
Protanomaly

27.2991, 0.3041, 0.3885



Deuteranomaly

27.0729, 0.3021, 0.3642



Tritanomaly

28.6685, 0.2398, 0.3397

Monochromacy



Original Color

28.8421, 0.2544, 0.4068



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

21.9593, 0.2799, 0.3565

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8421, 0.2544, 0.4068 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(40, 165, 125)` looks like.

```
.text, #text, p{  
  color:rgb(40, 165, 125)  
}
```

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(40, 165, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 165, 125) }
```

Border

The CSS property to change the border of an element to Yxy 28.8421, 0.2544, 0.4068 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(40, 165, 125) }
```

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

```
.border{ border-color:rgb(40, 165, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 165, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 165, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 165, 125);  
box-shadow:4px 4px 4px 4px rgb(40, 165,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8421, 0.2544, 0.4068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 165, 125) }
```

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

```
.background{ background-color: rgb(40, 165,  
125) }
```

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