

Converting Colors

$Y_{xy}(28.5121, 0.2574, 0.4173)$

Have a look what the booklet for
Yxy(28.5121, 0.2574, 0.4173)
contains.

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Color

$\text{Yxy}(28.3581, 0.2571, 0.4157)$

Conversions

Conversions Part 1

Format	Color
Hex	28A478
RGB	40, 164, 120
RGB Percent	16%, 64%, 47%
CMY	0.8434, 0.3568, 0.5294
CMYK	0.76, 0.00, 0.27, 0.36
HSL	159°, 61%, 40%
HSV	159°, 76%, 64%
XYZ	17.5388, 28.3581, 22.3208
YIQ	121.9080, -59.7800, -39.9720

Conversions

Conversions Part 2

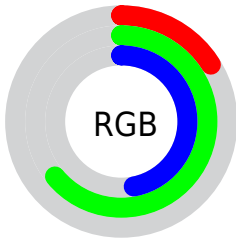
Format	Color
RYB	40, 115, 164
Decimal	2663544
CIELab	60.21, -43.84, 13.47
CIElCh	60, 45.860, 162.918
Yxy	28.3581, 0.2571, 0.4157
Android (android.graphics.Color)	4280853624 (0xFF28A478)
YUV	121.9080, -0.9406, -71.8333
Hunter-Lab	53.2523, -34.4022, 12.4251

Details

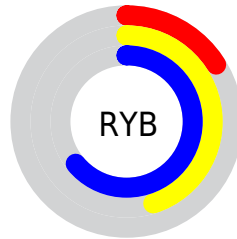
The Yxy color **28.3581, 0.2571, 0.4157** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **10.0447, 0.4763, 0.2708**, and the grayscale version is **19.4421, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.1080, 0.2693, 0.3970**, and **11.8238, 0.2571, 0.4457** is the 20% darker color. If you saturate the color by 10%, you get **27.9610, 0.2562, 0.4292**, and if you desaturate by 10%, it is **28.9053, 0.2600, 0.4022**.

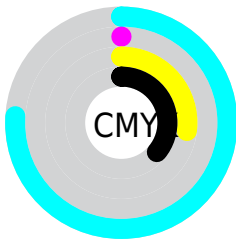
Distribution



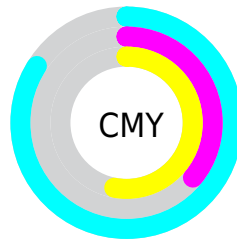
- Red (16%)
- Green (64%)
- Blue (47%)



- Red (16%)
- Yellow (45%)
- Blue (64%)



- Cyan (76%)
- Magenta (0%)
- Yellow (27%)
- Black (36%)





- Cyan (84%)
- Magenta (36%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3581, 0.2571, 0.4157 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 28.3581, 0.2571, 0.4157 by changing the saturation by 10% instead.


 28.3581, 0.2571,
0.4157

 28.3581, 0.2571,
0.4157

 294.1741, 0.2882,
0.3665

 18.5958, 0.2481,
0.4304


 57.0557, 0.2693,
0.3961


 11.3786, 0.2356,
0.4510


 76.7597, 0.2736,
0.3893

 6.3221, 0.2172,
0.4818


 100.5464, 0.2771,
0.3838

 3.0419, 0.1882,
0.5323

 128.8002, 0.2801,
0.3791

 1.1536, 0.0030,
0.7973

 161.9055, 0.2826,
0.3752

 0.0233, 0.0000,
1.0000

 200.2466, 0.2847,

 0.0000, 0.0000,

0.3719

0.0000

244.2080, 0.2866,
0.3690

■ 28.3581, 0.2571,
0.4157

■ 28.3581, 0.2571,
0.4157

■ 27.9610, 0.2562,
0.4292

■ 28.9053, 0.2600,
0.4022

■ 27.6901, 0.2572,
0.4425

■ 29.6152, 0.2647,
0.3891

■ 27.5908, 0.2579,
0.4483

■ 30.5027, 0.2710,
0.3764

■ 31.5801, 0.2787,
0.3645

■ 32.8584, 0.2874,
0.3534

■ 34.3480, 0.2969,
0.3431

■ 36.0585, 0.3069,
0.3338

■ 37.9987, 0.3172,
0.3255

■ 40.1773, 0.3275,
0.3180

Harmonies

Analogous

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



28.3581, 0.3271, 0.4644



28.3581, 0.2571, 0.4157



28.3581, 0.2059, 0.3359

Triad

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



28.3581, 0.2571, 0.4157



28.3581, 0.2235, 0.2144



28.3581, 0.4620, 0.3629

Complementary

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



28.3581, 0.2571, 0.4157



10.0447, 0.4763, 0.2708

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.



28.3581, 0.4292, 0.3080



28.3581, 0.2571, 0.4157



28.3581, 0.2834, 0.2271

Square

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



28.3581, 0.2571, 0.4157



28.3581, 0.1896, 0.2262



28.3581, 0.3601, 0.2602



28.3581, 0.4478, 0.4176

Rectangle

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



28.3581, 0.2571, 0.4157



28.3581, 0.1875, 0.2868



28.3581, 0.3601, 0.2602



28.3581, 0.4563, 0.3443

Sweetspot

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



28.3592, 0.2571, 0.4157



60.2056, 0.2895, 0.3510



28.6571, 0.3309, 0.5436



12.9718, 0.2863, 0.3547



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.



28.3592, 0.2571, 0.4157



50.3826, 0.2567, 0.4386



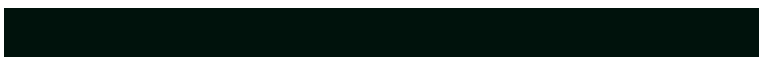
24.1418, 0.2231, 0.2979



7.9684, 0.3033, 0.3371



21.1627, 0.2575, 0.4470



0.4532, 0.2441, 0.3989

Inverse Universe

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



10.0447, 0.4763, 0.2708



15.5126, 0.5317, 0.2767



10.9200, 0.5481, 0.3494



7.1255, 0.3232, 0.3211



6.2954, 0.5512, 0.2810



0.1410, 0.4563, 0.2288

Previews

White Background



This preview shows how the Yxy color 28.3581, 0.2571, 0.4157 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 28.3581, 0.2571, 0.4157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

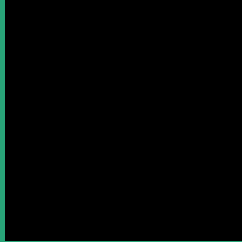
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3581, 0.2571, 0.4157

Background



This preview shows how black text looks on a background with the Yxy color 28.3581, 0.2571, 0.4157.



This preview shows how white text looks on a background with the Yxy color 28.3581, 0.2571, 0.4157.

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

28.3581, 0.2571, 0.4157

Protanopia

27.9642, 0.3575, 0.3821

Deuteranopia

27.9709, 0.3559, 0.3491



Tritanopia

28.1400, 0.2337, 0.3060

Trichromacy



Original Color

28.3581, 0.2571, 0.4157

Protanomaly

26.8588, 0.3086, 0.3963

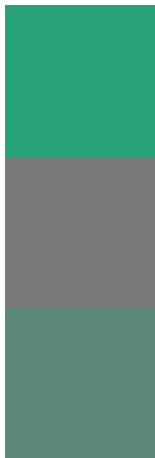
Deuteranomaly

26.6281, 0.3067, 0.3716

Tritanomaly

28.2494, 0.2416, 0.3435

Monochromacy



Original Color

28.3581, 0.2571, 0.4157

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

21.5471, 0.2815, 0.3608

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3581, 0.2571, 0.4157 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, 164, 120)` looks like.

```
.text, #text, p{  
  color:rgb(40, 164, 120)  
}
```

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, 164, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 164, 120) }
```

Border

The CSS property to change the border of an element to Yxy 28.3581, 0.2571, 0.4157 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, 164, 120) }
```

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

```
.border{ border-color:rgb(40, 164, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 164, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 164, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 164, 120);  
box-shadow:4px 4px 4px 4px rgb(40, 164,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3581, 0.2571, 0.4157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 164, 120) }
```

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

```
.background{ background-color: rgb(40, 164,  
120) }
```

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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