

Converting Colors

$Yxy(28.8793, 0.2470, 0.4019)$

Have a look what the booklet for
Yxy(28.8793, 0.2470, 0.4019)
contains.

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Color

Yxy(28.9501, 0.2474, 0.4033)

Conversions

Conversions Part 1

Format	Color
Hex	11A680
RGB	17, 166, 128
RGB Percent	7%, 65%, 50%
CMY	0.9346, 0.3490, 0.4980
CMYK	0.90, 0.00, 0.23, 0.35
HSL	165°, 82%, 36%
HSV	165°, 90%, 65%
XYZ	17.7591, 28.9501, 25.0738
YIQ	117.1170, -76.6060, -43.4060

Conversions

Conversions Part 2

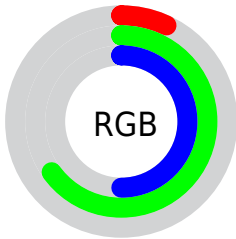
Format	Color
RYB	17, 102, 166
Decimal	1156736
CIELab	60.74, -44.92, 9.72
CIELCh	61, 45.959, 167.793
Yxy	28.9501, 0.2474, 0.4033
Android (android.graphics.Color)	4279346816 (0xFF11A680)
YUV	117.1170, 5.3653, -87.8026
Hunter-Lab	53.8053, -35.2431, 10.0340

Details

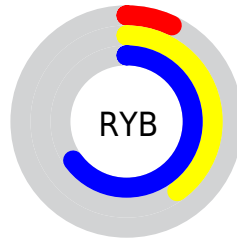
The Yxy color **28.9501, 0.2474, 0.4033** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.7717, 0.5578, 0.2947**, and the grayscale version is **17.7979, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.0116, 0.2611, 0.3866**, and **12.3748, 0.2515, 0.4254** is the 20% darker color. If you saturate the color by 10%, you get **28.7266, 0.2480, 0.4126**, and if you desaturate by 10%, it is **29.2765, 0.2483, 0.3939**.

Distribution



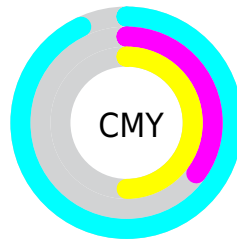
- Red (7%)
- Green (65%)
- Blue (50%)



- Red (7%)
- Yellow (40%)
- Blue (65%)



- Cyan (90%)
- Magenta (0%)
- Yellow (23%)
- Black (35%)





- Cyan (93%)
- Magenta (35%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.9501, 0.2474, 0.4033 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 28.9501, 0.2474, 0.4033 by changing the saturation by 10% instead.


 28.9501, 0.2474,
0.4033


 28.9501, 0.2474,
0.4033


296.9794, 0.2832,
0.3616


 19.0431, 0.2373,
0.4155


 57.9978, 0.2612,
0.3869


 11.7014, 0.2236,
0.4324


 77.9073, 0.2662,
0.3811


 6.5407, 0.2039,
0.4574


 101.9196, 0.2703,
0.3764

 3.1766, 0.1738,
0.4975

 130.4194, 0.2737,
0.3725

 1.2246, 0.0178,
0.6539

 163.7908, 0.2766,
0.3691

 0.0817, 0.0000,
1.0000

 202.4184, 0.2791,

 0.0000, 0.0000,

0.3663

0.0000

246.6865, 0.2813,
0.3638

■ 28.9501, 0.2474,
0.4033

■ 28.9501, 0.2474,
0.4033

■ 28.7266, 0.2480,
0.4126

■ 29.2765, 0.2483,
0.3939

■ 28.7257, 0.2480,
0.4127

■ 29.7418, 0.2511,
0.3845

■ 30.3648, 0.2559,
0.3753

■ 31.1602, 0.2623,
0.3663

■ 32.1414, 0.2704,
0.3577

■ 33.3201, 0.2797,
0.3497

■ 34.7072, 0.2901,
0.3421

■ 36.3129, 0.3012,
0.3352

■ 38.1464, 0.3128,
0.3290

Harmonies

Analogous

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



28.9501, 0.3152, 0.4594



28.9501, 0.2474, 0.4033



28.9501, 0.2006, 0.3231

Triad

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



28.9501, 0.2474, 0.4033



28.9501, 0.2319, 0.2154



28.9501, 0.4621, 0.3720

Complementary

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



28.9501, 0.2474, 0.4033



8.7717, 0.5578, 0.2947

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.



28.9501, 0.4370, 0.3167



28.9501, 0.2474, 0.4033



28.9501, 0.2953, 0.2316

Square

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



28.9501, 0.2474, 0.4033



28.9501, 0.1937, 0.2229



28.9501, 0.3724, 0.2674



28.9501, 0.4411, 0.4255

Rectangle

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



28.9501, 0.2474, 0.4033



28.9501, 0.1856, 0.2768



28.9501, 0.3724, 0.2674



28.9501, 0.4590, 0.3533

Sweetspot

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



28.9512, 0.2474, 0.4033



61.0465, 0.2822, 0.3478



28.1710, 0.3161, 0.5783



13.4888, 0.2789, 0.3503



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



28.9512, 0.2474, 0.4033



52.0907, 0.2484, 0.4143



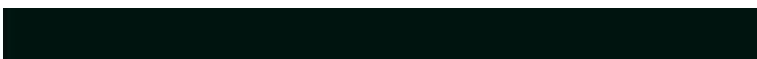
19.1467, 0.2078, 0.2610



8.4989, 0.3019, 0.3348



22.2798, 0.2477, 0.4118



0.5496, 0.2392, 0.3811

Inverse Universe

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



8.7717, 0.5578, 0.2947



14.9909, 0.5940, 0.3046



10.5607, 0.5823, 0.3610



7.5725, 0.3247, 0.3233



6.4242, 0.5874, 0.3010



0.1643, 0.4978, 0.2516

Previews

White Background



This preview shows how the Yxy color 28.9501, 0.2474, 0.4033 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 28.9501, 0.2474, 0.4033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

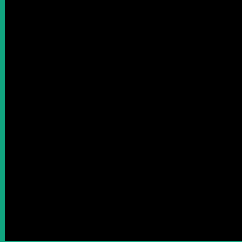
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.9501, 0.2474, 0.4033

Background



This preview shows how black text looks on a background with the Yxy color 28.9501, 0.2474, 0.4033.



This preview shows how white text looks on a background with the Yxy color 28.9501, 0.2474, 0.4033.

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

28.9501, 0.2474, 0.4033

Protanopia

28.4288, 0.3499, 0.3723

Deuteranopia

28.3699, 0.3457, 0.3383



Tritanopia

28.9430, 0.2288, 0.3061

Trichromacy



Original Color

28.9501, 0.2474, 0.4033



Protanomaly

27.1307, 0.2932, 0.3859



Deuteranomaly

26.4758, 0.2898, 0.3596



Tritanomaly

28.7261, 0.2339, 0.3379

Monochromacy



Original Color

28.9501, 0.2474, 0.4033



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

20.4578, 0.2712, 0.3577

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9501, 0.2474, 0.4033 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(17, 166, 128)` looks like.

```
.text, #text, p{  
    color:rgb(17, 166, 128)  
}
```

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(17, 166, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 166, 128) }
```

Border

The CSS property to change the border of an element to Yxy 28.9501, 0.2474, 0.4033 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(17, 166, 128) }
```

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

```
.border{ border-color:rgb(17, 166, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 166, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 166, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 166, 128);  
box-shadow:4px 4px 4px 4px rgb(17, 166,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9501, 0.2474, 0.4033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 166, 128) }
```

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

```
.background{ background-color: rgb(17, 166,  
128) }
```

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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