

Converting Colors

$Y_{xy}(29.4061, 0.2602, 0.4450)$

Have a look what the booklet for
Yxy(29.4061, 0.2602, 0.4450)
contains.

Yxy(29.3016, 0.2600, 0.4443)	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(29.3016, 0.2600, 0.4443)

Conversions

Conversions Part 1

Format	Color
Hex	16A86E
RGB	22, 168, 110
RGB Percent	9%, 66%, 43%
CMY	0.9138, 0.3412, 0.5687
CMYK	0.87, 0.00, 0.35, 0.34
HSL	156°, 77%, 37%
HSV	156°, 87%, 66%
XYZ	17.1470, 29.3016, 19.5014
YIQ	117.7340, -68.3980, -48.9900

Conversions

Conversions Part 2

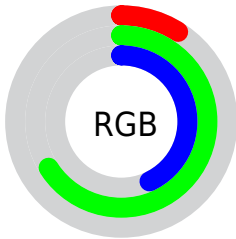
Format	Color
R_{YB}	22, 113, 168
Decimal	1484910
CIE _{Lab}	61.05, -49.58, 20.10
CIE _{LCh}	61, 53.497, 157.928
Yxy	29.3016, 0.2600, 0.4443
Android (android.graphics.Color)	4279674990 (0xFF16A86E)
YUV	117.7340, -3.8129, -83.9587
Hunter-Lab	54.1310, -38.1859, 16.5316

Details

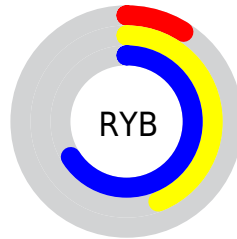
The Yxy color **29.3016, 0.2600, 0.4443** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **9.4769, 0.4991, 0.2645**, and the grayscale version is **18.0549, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.4613, 0.2721, 0.4175**, and **12.6093, 0.2669, 0.4807** is the 20% darker color. If you saturate the color by 10%, you get **29.0259, 0.2616, 0.4592**, and if you desaturate by 10%, it is **29.7103, 0.2603, 0.4291**.

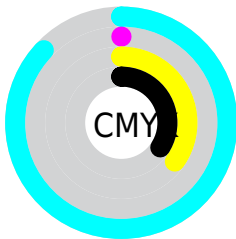
Distribution



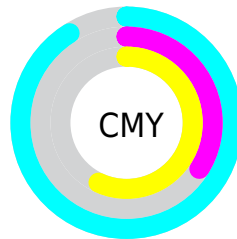
- Red (9%)
- Green (66%)
- Blue (43%)



- Red (9%)
- Yellow (44%)
- Blue (66%)



- Cyan (87%)
- Magenta (0%)
- Yellow (35%)
- Black (34%)





- Cyan (91%)
- Magenta (34%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.3016, 0.2600, 0.4443 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 29.3016, 0.2600, 0.4443 by changing the saturation by 10% instead.

 29.3016, 0.2600,
0.4443


 29.3016, 0.2600,
0.4443


298.6353, 0.2903,
0.3783


 19.3091, 0.2509,
0.4642


 58.5559, 0.2721,
0.4179

 11.8938, 0.2380,
0.4921


 78.5865, 0.2763,
0.4088


 6.6714, 0.2188,
0.5338


 102.7320, 0.2797,
0.4013

 3.2575, 0.1875,
0.6017

 131.3766, 0.2825,
0.3951

 1.2676, 0.0000,
1.0000

 164.9049, 0.2849,
0.3899

 0.1159, 0.0000,
1.0000

 203.7012, 0.2870,

 0.0000, 0.0000,

0.3855

0.0000

248.1499, 0.2887,
0.3816

■ 29.3016, 0.2600,
0.4443

■ 29.3016, 0.2600,
0.4443

■ 29.0259, 0.2616,
0.4592

■ 29.7103, 0.2603,
0.4291

■ 28.9517, 0.2622,
0.4638

■ 30.2740, 0.2625,
0.4138

■ 31.0111, 0.2666,
0.3988

■ 31.9365, 0.2724,
0.3844

■ 33.0636, 0.2795,
0.3707

■ 34.4043, 0.2877,
0.3580

■ 35.9698, 0.2966,
0.3463

■ 37.7704, 0.3060,
0.3357

■ 39.8156, 0.3157,
0.3262

Harmonies

Analogous

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



29.3016, 0.3406, 0.4899



29.3016, 0.2600, 0.4443



29.3016, 0.1983, 0.3515

Triad

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



29.3016, 0.2600, 0.4443



29.3016, 0.2032, 0.2002



29.3016, 0.4817, 0.3540

Complementary

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



29.3016, 0.2600, 0.4443



9.4769, 0.4991, 0.2645

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.



29.3016, 0.4359, 0.2942



29.3016, 0.2600, 0.4443



29.3016, 0.2655, 0.2104

Square

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



29.3016, 0.2600, 0.4443



29.3016, 0.1710, 0.2170



29.3016, 0.3515, 0.2436



29.3016, 0.4720, 0.4163

Rectangle

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



29.3016, 0.2600, 0.4443



29.3016, 0.1749, 0.2917



29.3016, 0.3515, 0.2436



29.3016, 0.4725, 0.3335

Sweetspot

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



29.3028, 0.2600, 0.4443



62.5458, 0.2881, 0.3574



29.7870, 0.3308, 0.5635



13.4463, 0.2853, 0.3615



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.



29.3028, 0.2600, 0.4443



52.4907, 0.2629, 0.4664



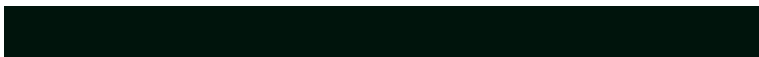
25.9115, 0.2197, 0.3019



8.4808, 0.3038, 0.3381



21.8722, 0.2618, 0.4623



0.5418, 0.2480, 0.4129

Inverse Universe

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



9.4769, 0.4991, 0.2645



15.7967, 0.5417, 0.2758



9.6799, 0.5975, 0.3414



7.5898, 0.3226, 0.3201



6.5998, 0.5347, 0.2719



0.1707, 0.4491, 0.2248

Previews

White Background



This preview shows how the Yxy color 29.3016, 0.2600, 0.4443 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 29.3016, 0.2600, 0.4443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

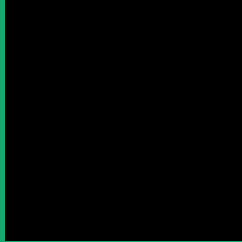
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.3016, 0.2600, 0.4443

Background



This preview shows how black text looks on a background with the Yxy color 29.3016, 0.2600, 0.4443.



This preview shows how white text looks on a background with the Yxy color 29.3016, 0.2600, 0.4443.

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

29.3016, 0.2600, 0.4443

Protanopia

28.7665, 0.3715, 0.3998

Deuteranopia

28.6750, 0.3735, 0.3652



Tritanopia

29.1829, 0.2319, 0.3063

Trichromacy



Original Color

29.3016, 0.2600, 0.4443



Protanomaly

27.3619, 0.3131, 0.4208



Deuteranomaly

26.8095, 0.3127, 0.3939



Tritanomaly

29.0007, 0.2406, 0.3529

Monochromacy



Original Color

29.3016, 0.2600, 0.4443



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

20.6851, 0.2784, 0.3724

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3016, 0.2600, 0.4443 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(22, 168, 110)` looks like.

```
.text, #text, p{  
    color:rgb(22, 168, 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(22, 168, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 168, 110) }
```

Border

The CSS property to change the border of an element to Yxy 29.3016, 0.2600, 0.4443 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(22, 168, 110) }
```

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

```
.border{ border-color:rgb(22, 168, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 168, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 168, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 168, 110);  
box-shadow:4px 4px 4px 4px rgb(22, 168,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3016, 0.2600, 0.4443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 168, 110) }
```

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

```
.background{ background-color: rgb(22, 168,  
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](#).

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