

Converting Colors

$Yxy(29.4165, 0.2630, 0.4457)$

Have a look what the booklet for
Yxy(29.4165, 0.2630, 0.4457)
contains.

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Color

Yxy(29.4165, 0.2630, 0.4457)

Conversions

Conversions Part 1

Format	Color
Hex	20A86D
RGB	32, 168, 109
RGB Percent	13%, 66%, 43%
CMY	0.8744, 0.3412, 0.5726
CMYK	0.81, 0.00, 0.35, 0.34
HSL	154°, 68%, 39%
HSV	154°, 81%, 66%
XYZ	17.3582, 29.4165, 19.2260
YIQ	120.6100, -62.1170, -47.1810

Conversions

Conversions Part 2

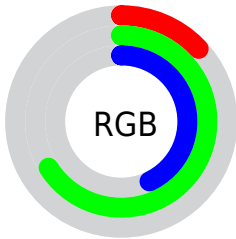
Format	Color
R_{YB}	32, 119, 168
Decimal	2140269
CIE _{Lab}	61.15, -48.85, 20.81
CIE _{LCh}	61, 53.102, 156.929
Y _{xy}	29.4165, 0.2630, 0.4457
Android (android.graphics.Color)	4280330349 (0xFF20A86D)
YUV	120.6100, -5.7237, -77.7110
Hunter-Lab	54.2370, -37.7870, 16.9487

Details

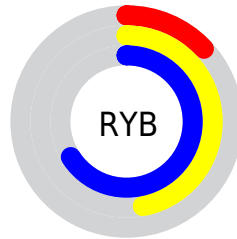
The Yxy color **29.4165, 0.2630, 0.4457** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **10.1152, 0.4692, 0.2557**, and the grayscale version is **19.0237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.6512, 0.2744, 0.4186**, and **12.5984, 0.2677, 0.4836** is the 20% darker color. If you saturate the color by 10%, you get **29.0631, 0.2638, 0.4622**, and if you desaturate by 10%, it is **29.9224, 0.2642, 0.4289**.

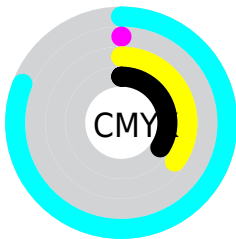
Distribution



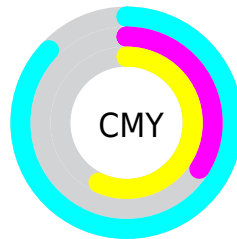
- Red (13%)
- Green (66%)
- Blue (43%)



- Red (13%)
- Yellow (47%)
- Blue (66%)



- Cyan (81%)
- Magenta (0%)
- Yellow (35%)
- Black (34%)





- Cyan (87%)
- Magenta (34%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.4165, 0.2630, 0.4457 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 29.4165, 0.2630, 0.4457 by changing the saturation by 10% instead.


 29.4165, 0.2630,
0.4457


 29.4165, 0.2630,
0.4457


299.1751, 0.2917,
0.3789


 19.3961, 0.2543,
0.4658


 58.7382, 0.2745,
0.4190


 11.9569, 0.2419,
0.4941


 78.8083, 0.2785,
0.4098

 6.7143, 0.2234,
0.5362


 102.9970, 0.2817,
0.4022

 3.2841, 0.1928,
0.6046

 131.6889, 0.2844,
0.3960

 1.2818, 0.0000,
1.0000

 165.2682, 0.2867,
0.3907

 0.1270, 0.0000,
1.0000

 204.1194, 0.2886,

 0.0000, 0.0000,

0.3862

0.0000

248.6269, 0.2902,
0.3823

■ 29.4165, 0.2630,
0.4457

■ 29.4165, 0.2630,
0.4457

■ 29.0631, 0.2638,
0.4622

■ 29.9224, 0.2642,
0.4289

■ 28.8343, 0.2658,
0.4768

■ 30.5959, 0.2673,
0.4123

■ 31.4541, 0.2721,
0.3961

■ 32.5109, 0.2783,
0.3807

■ 33.7789, 0.2857,
0.3662

■ 35.2696, 0.2940,
0.3530

■ 36.9936, 0.3028,
0.3409

■ 38.9609, 0.3119,
0.3300

■ 41.1808, 0.3210,
0.3202

Harmonies

Analogous

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



29.4165, 0.3433, 0.4888



29.4165, 0.2630, 0.4457



29.4165, 0.2008, 0.3546

Triad

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



29.4165, 0.2630, 0.4457



29.4165, 0.2025, 0.2012



29.4165, 0.4797, 0.3520

Complementary

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



29.4165, 0.2630, 0.4457



10.1152, 0.4692, 0.2557

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.



29.4165, 0.4325, 0.2927



29.4165, 0.2630, 0.4457



29.4165, 0.2634, 0.2105

Square

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



29.4165, 0.2630, 0.4457



29.4165, 0.1715, 0.2190



29.4165, 0.3482, 0.2428



29.4165, 0.4720, 0.4139

Rectangle

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



29.4165, 0.2630, 0.4457



29.4165, 0.1767, 0.2948



29.4165, 0.3482, 0.2428



29.4165, 0.4699, 0.3316

Sweetspot

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



29.4177, 0.2630, 0.4457



63.0055, 0.2910, 0.3575



30.4491, 0.3387, 0.5486



13.5317, 0.2882, 0.3620



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.



29.4177, 0.2630, 0.4457



52.3938, 0.2657, 0.4748



28.6958, 0.2255, 0.3166



8.4762, 0.3043, 0.3390



21.7840, 0.2653, 0.4752



0.5400, 0.2504, 0.4213

Inverse Universe

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



10.1152, 0.4692, 0.2557



16.1485, 0.5184, 0.2647



9.8687, 0.5833, 0.3360



7.5944, 0.3221, 0.3192



6.6589, 0.5197, 0.2636



0.1724, 0.4387, 0.2190

Previews

White Background



This preview shows how the Yxy color 29.4165, 0.2630, 0.4457 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 29.4165, 0.2630, 0.4457 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 29.4165, 0.2630, 0.4457

Background



This preview shows how black text looks on a background with the Yxy color 29.4165, 0.2630, 0.4457.



This preview shows how white text looks on a background with the Yxy color 29.4165, 0.2630, 0.4457.

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

29.4165, 0.2630, 0.4457

Protanopia

28.8488, 0.3736, 0.4010

Deuteranopia

28.9455, 0.3741, 0.3682



Tritanopia

29.3170, 0.2337, 0.3064

Trichromacy



Original Color

29.4165, 0.2630, 0.4457



Protanomaly

27.6012, 0.3179, 0.4215



Deuteranomaly

27.3185, 0.3165, 0.3967



Tritanomaly

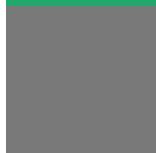
29.1807, 0.2432, 0.3527

Monochromacy



Original Color

29.4165, 0.2630, 0.4457



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

21.5852, 0.2824, 0.3713

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4165, 0.2630, 0.4457 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(32, 168, 109)` looks like.

```
.text, #text, p{  
    color:rgb(32, 168, 109)  
}
```

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(32, 168, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 168, 109) }
```

Border

The CSS property to change the border of an element to Yxy 29.4165, 0.2630, 0.4457 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(32, 168, 109) }
```

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

```
.border{ border-color:rgb(32, 168, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 168, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 168, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 168, 109);  
box-shadow:4px 4px 4px 4px rgb(32, 168,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4165, 0.2630, 0.4457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 168, 109) }
```

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

```
.background{ background-color: rgb(32, 168,  
109) }
```

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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