

Converting Colors

$Yxy(28.9487, 0.2423, 0.3787)$

Have a look what the booklet for
Yxy(28.9487, 0.2423, 0.3787)
contains.

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Color

Yxy(29.0074, 0.2423, 0.3786)

Conversions

Conversions Part 1

Format	Color
Hex	1BA58B
RGB	27, 165, 139
RGB Percent	11%, 65%, 55%
CMY	0.8946, 0.3529, 0.4549
CMYK	0.84, 0.00, 0.16, 0.35
HSL	169°, 72%, 38%
HSV	169°, 84%, 65%
XYZ	18.5644, 29.0074, 29.0457
YIQ	120.7740, -73.9020, -37.3420

Conversions

Conversions Part 2

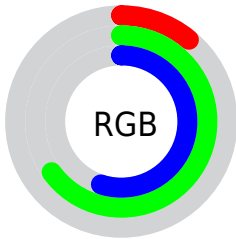
Format	Color
R_{YB}	27, 103, 165
Decimal	1811851
CIE _{Lab}	60.79, -40.88, 3.65
CIE _{LCh}	61, 41.044, 174.903
Yxy	29.0074, 0.2423, 0.3786
Android (android.graphics.Color)	4280001931 (0xFF1BA58B)
YUV	120.7740, 8.9854, -82.2398
Hunter-Lab	53.8585, -32.7255, 5.7261

Details

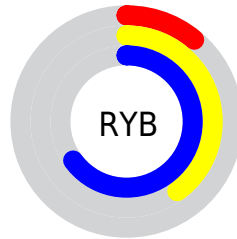
The Yxy color **29.0074, 0.2423, 0.3786** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **9.0339, 0.5552, 0.3031**, and the grayscale version is **19.0201, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.1713, 0.2570, 0.3690**, and **12.3096, 0.2425, 0.3929** is the 20% darker color. If you saturate the color by 10%, you get **28.7547, 0.2415, 0.3853**, and if you desaturate by 10%, it is **29.3910, 0.2449, 0.3719**.

Distribution



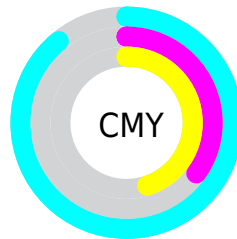
- Red (11%)
- Green (65%)
- Blue (55%)



- Red (11%)
- Yellow (40%)
- Blue (65%)



- Cyan (84%)
- Magenta (0%)
- Yellow (16%)
- Black (35%)



- Cyan (89%)
- Magenta (35%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.0074, 0.2423, 0.3786 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 29.0074, 0.2423, 0.3786 by changing the saturation by 10% instead.

 29.0074, 0.2423,
0.3786


 29.0074, 0.2423,
0.3786


 297.2499, 0.2802,
0.3515

 19.0864, 0.2319,
0.3863


 58.0888, 0.2568,
0.3681

 11.7327, 0.2179,
0.3967


 78.0181, 0.2620,
0.3644

 6.5620, 0.1983,
0.4116


 102.0522, 0.2663,
0.3613

 3.1897, 0.1689,
0.4347

 130.5756, 0.2700,
0.3587

 1.2316, 0.0568,
0.5096

 163.9727, 0.2731,
0.3565

 0.0873, 0.0000,
1.0000

 202.6278, 0.2758,

 0.0000, 0.0000,

0.3546

0.0000

246.9254, 0.2782,
0.3529

■ 29.0074, 0.2423,
0.3786

■ 29.0074, 0.2423,
0.3786

■ 28.7547, 0.2415,
0.3853

■ 29.3910, 0.2449,
0.3719

■ 28.6328, 0.2415,
0.3895

■ 29.9207, 0.2495,
0.3652

■ 30.6132, 0.2558,
0.3586

■ 31.4819, 0.2639,
0.3523

■ 32.5390, 0.2734,
0.3463

■ 33.7954, 0.2841,
0.3407

■ 35.2614, 0.2957,
0.3354

■ 36.9464, 0.3080,
0.3307

■ 38.8592, 0.3207,
0.3263

Harmonies

Analogous

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



29.0074, 0.3006, 0.4360



29.0074, 0.2423, 0.3786



29.0074, 0.2052, 0.3089

Triad

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



29.0074, 0.2423, 0.3786



29.0074, 0.2518, 0.2274



29.0074, 0.4458, 0.3815

Complementary

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



29.0074, 0.2423, 0.3786



9.0339, 0.5552, 0.3031

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.



29.0074, 0.4327, 0.3307



29.0074, 0.2423, 0.3786



29.0074, 0.3135, 0.2468

Square

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



29.0074, 0.2423, 0.3786



29.0074, 0.2109, 0.2293



29.0074, 0.3819, 0.2833



29.0074, 0.4194, 0.4270

Rectangle

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



29.0074, 0.2423, 0.3786



29.0074, 0.1953, 0.2708



29.0074, 0.3819, 0.2833



29.0074, 0.4461, 0.3646

Sweetspot

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



29.0085, 0.2423, 0.3786



60.1005, 0.2822, 0.3416



27.7898, 0.3129, 0.5720



12.9715, 0.2785, 0.3435



82.7571, 0.3127, 0.3290



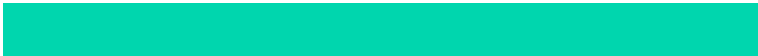
14.7319, 0.3127, 0.3290

Same Dimension

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



29.0085, 0.2423, 0.3786



51.2454, 0.2419, 0.3907



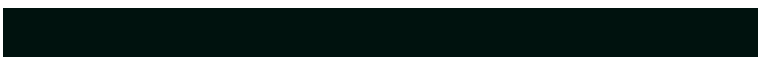
17.2549, 0.2062, 0.2471



7.9883, 0.3012, 0.3333



21.6655, 0.2413, 0.3888



0.4608, 0.2346, 0.3646

Inverse Universe

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



9.0339, 0.5552, 0.3031



14.4817, 0.6125, 0.3148



12.2505, 0.5476, 0.3769



7.1067, 0.3257, 0.3248



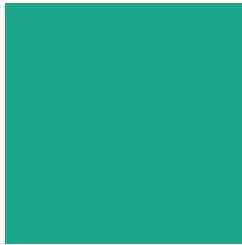
6.1324, 0.6065, 0.3115



0.1345, 0.5217, 0.2648

Previews

White Background



This preview shows how the Yxy color 29.0074, 0.2423, 0.3786 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 29.0074, 0.2423, 0.3786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

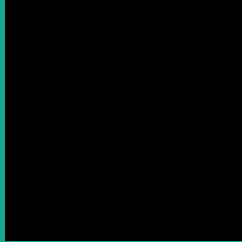
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.0074, 0.2423, 0.3786

Background



This preview shows how black text looks on a background with the Yxy color 29.0074, 0.2423, 0.3786.

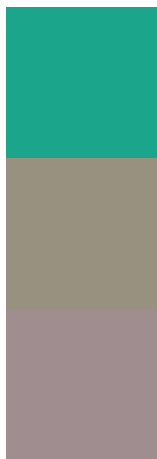


This preview shows how white text looks on a background with the Yxy color 29.0074, 0.2423, 0.3786.

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

29.0074, 0.2423, 0.3786

Protanopia

28.4847, 0.3373, 0.3563

Deuteranopia

28.5370, 0.3304, 0.3244



Tritanopia

28.9156, 0.2284, 0.3061

Trichromacy



Original Color

29.0074, 0.2423, 0.3786



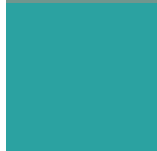
Protanomaly

27.1866, 0.2865, 0.3650



Deuteranomaly

27.2104, 0.2832, 0.3430



Tritanomaly

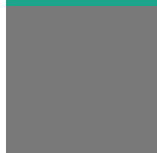
28.9275, 0.2326, 0.3306

Monochromacy



Original Color

29.0074, 0.2423, 0.3786



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

21.4761, 0.2708, 0.3468

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.0074, 0.2423, 0.3786 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(27, 165, 139)` looks like.

```
.text, #text, p{  
  color:rgb(27, 165, 139)  
}
```

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(27, 165, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 165, 139) }
```

Border

The CSS property to change the border of an element to Yxy 29.0074, 0.2423, 0.3786 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(27, 165, 139) }
```

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

```
.border{ border-color:rgb(27, 165, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 165, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 165, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 165, 139);  
box-shadow:4px 4px 4px 4px rgb(27, 165,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 29.0074, 0.2423, 0.3786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 165, 139) }
```

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

```
.background{ background-color: rgb(27, 165,  
139) }
```

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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