

Converting Colors

$Yxy(29.1654, 0.2416, 0.3822)$

Have a look what the booklet for
 $\text{Yxy}(29.1654, 0.2416, 0.3822)$
contains.

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Color

Yxy(29.2360, 0.2417, 0.3826)

Conversions

Conversions Part 1

Format	Color
Hex	12A68A
RGB	18, 166, 138
RGB Percent	7%, 65%, 54%
CMY	0.9302, 0.3490, 0.4589
CMYK	0.89, 0.00, 0.17, 0.35
HSL	169°, 81%, 36%
HSV	169°, 89%, 65%
XYZ	18.4693, 29.2360, 28.7087
YIQ	118.5560, -79.2200, -40.0840

Conversions

Conversions Part 2

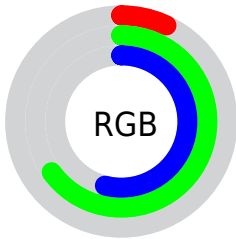
Format	Color
R_{YB}	18, 100, 166
Decimal	1222282
CIE _{Lab}	60.99, -42.24, 4.49
CIE _{LCh}	61, 42.483, 173.929
Yxy	29.2360, 0.2417, 0.3826
Android (android.graphics.Color)	4279412362 (0xFF12A68A)
YUV	118.5560, 9.5859, -88.1876
Hunter-Lab	54.0703, -33.6513, 6.3691

Details

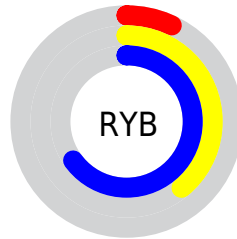
The Yxy color **29.2360, 0.2417, 0.3826** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.7299, 0.5756, 0.3058**, and the grayscale version is **18.2694, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.4909, 0.2565, 0.3719**, and **12.5148, 0.2440, 0.3982** is the 20% darker color. If you saturate the color by 10%, you get **29.0286, 0.2416, 0.3893**, and if you desaturate by 10%, it is **29.5496, 0.2433, 0.3758**.

Distribution



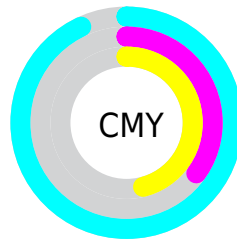
- Red (7%)
- Green (65%)
- Blue (54%)



- Red (7%)
- Yellow (39%)
- Blue (65%)



- Cyan (89%)
- Magenta (0%)
- Yellow (17%)
- Black (35%)




- Cyan (93%)
- Magenta (35%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.2360, 0.2417, 0.3826 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 29.2360, 0.2417, 0.3826 by changing the saturation by 10% instead.

 29.2360, 0.2417,
0.3826


 29.2360, 0.2417,
0.3826

 298.3268, 0.2800,
0.3532

 19.2594, 0.2312,
0.3909


 58.4518, 0.2563,
0.3712


 11.8579, 0.2171,
0.4023


 78.4599, 0.2616,
0.3672


 6.6470, 0.1972,
0.4186


 102.5805, 0.2660,
0.3638

 3.2423, 0.1676,
0.4441

 131.1982, 0.2696,
0.3610

 1.2595, 0.0522,
0.5257

 164.6973, 0.2728,
0.3586

 0.1095, 0.0000,
1.0000

 203.4621, 0.2755,

 0.0000, 0.0000,

0.3565

0.0000

247.8772, 0.2779,
0.3548

■ 29.2360, 0.2417,
0.3826

■ 29.2360, 0.2417,
0.3826

■ 29.0286, 0.2416,
0.3893

■ 29.5496, 0.2433,
0.3758

■ 29.0145, 0.2416,
0.3898

■ 30.0014, 0.2468,
0.3691

■ 30.6098, 0.2521,
0.3624

■ 31.3895, 0.2592,
0.3559

■ 32.3536, 0.2679,
0.3497

■ 33.5139, 0.2780,
0.3438

■ 34.8812, 0.2892,
0.3383

■ 36.4653, 0.3011,
0.3333

■ 38.2757, 0.3136,
0.3287

Harmonies

Analogous

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



29.2360, 0.3021, 0.4411



29.2360, 0.2417, 0.3826



29.2360, 0.2029, 0.3101

Triad

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



29.2360, 0.2417, 0.3826



29.2360, 0.2482, 0.2243



29.2360, 0.4502, 0.3809

Complementary

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



29.2360, 0.2417, 0.3826



8.7299, 0.5756, 0.3058

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.



29.2360, 0.4354, 0.3287



29.2360, 0.2417, 0.3826



29.2360, 0.3111, 0.2436

Square

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



29.2360, 0.2417, 0.3826



29.2360, 0.2070, 0.2269



29.2360, 0.3820, 0.2805



29.2360, 0.4239, 0.4283

Rectangle

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



29.2360, 0.2417, 0.3826



29.2360, 0.1923, 0.2704



29.2360, 0.3820, 0.2805



29.2360, 0.4501, 0.3635

Sweetspot

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



29.2371, 0.2417, 0.3826



61.2300, 0.2799, 0.3428



27.9337, 0.3110, 0.5815



13.5343, 0.2764, 0.3447



84.8088, 0.3127, 0.3290



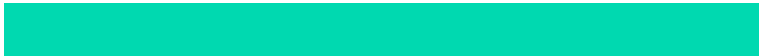
15.4872, 0.3127, 0.3290

Same Dimension

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



29.2371, 0.2417, 0.3826



52.6223, 0.2420, 0.3910



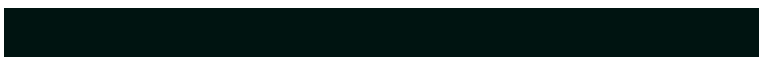
16.6880, 0.2025, 0.2409



8.5074, 0.3011, 0.3333



22.5030, 0.2414, 0.3892



0.5536, 0.2353, 0.3670

Inverse Universe

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



8.7299, 0.5756, 0.3058



14.8734, 0.6124, 0.3147



11.6247, 0.5654, 0.3740



7.5646, 0.3257, 0.3248



6.3702, 0.6067, 0.3116



0.1614, 0.5259, 0.2671

Previews

White Background



This preview shows how the Yxy color 29.2360, 0.2417, 0.3826 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 29.2360, 0.2417, 0.3826 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

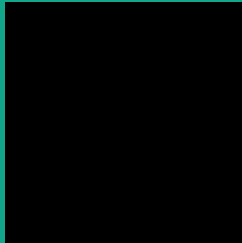
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.2360, 0.2417, 0.3826

Background



This preview shows how black text looks on a background with the Yxy color 29.2360, 0.2417, 0.3826.

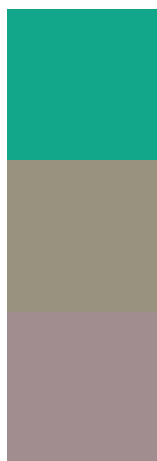


This preview shows how white text looks on a background with the Yxy color 29.2360, 0.2417, 0.3826.

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

29.2360, 0.2417, 0.3826

Protanopia

28.8624, 0.3392, 0.3593

Deuteranopia

28.6100, 0.3325, 0.3260



Tritanopia

29.2238, 0.2273, 0.3061

Trichromacy



Original Color

29.2360, 0.2417, 0.3826



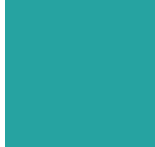
Protanomaly

27.3642, 0.2857, 0.3688



Deuteranomaly

26.9870, 0.2814, 0.3449



Tritanomaly

29.1797, 0.2316, 0.3324

Monochromacy



Original Color

29.2360, 0.2417, 0.3826



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

20.6025, 0.2686, 0.3492

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2360, 0.2417, 0.3826 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(18, 166, 138)` looks like.

```
.text, #text, p{  
  color:rgb(18, 166, 138)  
}
```

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(18, 166, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 166, 138) }
```

Border

The CSS property to change the border of an element to Yxy 29.2360, 0.2417, 0.3826 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(18, 166, 138) }
```

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

```
.border{ border-color:rgb(18, 166, 138) }
```

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

Here you see how a box with a 4 pixel rgb(18, 166, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 166, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 166, 138);  
box-shadow:4px 4px 4px 4px rgb(18, 166,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2360, 0.2417, 0.3826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 166, 138) }
```

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

```
.background{ background-color: rgb(18, 166,  
138) }
```

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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