

Converting Colors

$Yxy(28.0449, 0.2331, 0.3407)$

Have a look what the booklet for
Yxy(28.0449, 0.2331, 0.3407)
contains.

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Color

$\text{Yxy}(28.1629, 0.2335, 0.3418)$

Conversions

Conversions Part 1

Format	Color
Hex	22A19A
RGB	34, 161, 154
RGB Percent	13%, 63%, 60%
CMY	0.8663, 0.3686, 0.3961
CMYK	0.79, 0.00, 0.04, 0.37
HSL	177°, 65%, 38%
HSV	177°, 79%, 63%
XYZ	19.2394, 28.1629, 34.9935
YIQ	122.2290, -73.4450, -29.1010

Conversions

Conversions Part 2

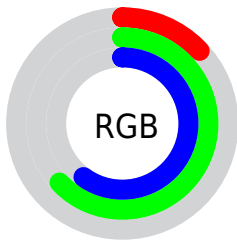
Format	Color
RYB	34, 99, 161
Decimal	2269594
CIELab	60.04, -34.16, -5.90
CIElCh	60, 34.669, 189.797
Yxy	28.1629, 0.2335, 0.3418
Android (android.graphics.Color)	4280459674 (0xFF22A19A)
YUV	122.2290, 15.6631, -77.3768
Hunter-Lab	53.0687, -28.1572, -1.9477

Details

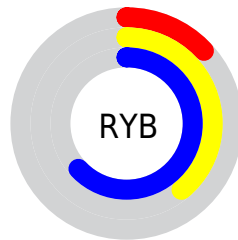
The Yxy color **28.1629, 0.2335, 0.3418** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.8873, 0.5688, 0.3225**, and the grayscale version is **19.5163, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.5494, 0.2495, 0.3397**, and **11.9166, 0.2292, 0.3449** is the 20% darker color. If you saturate the color by 10%, you get **27.9213, 0.2308, 0.3436**, and if you desaturate by 10%, it is **28.5351, 0.2380, 0.3400**.

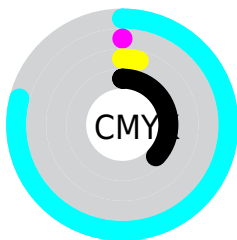
Distribution



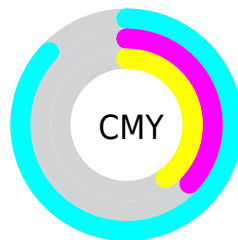
- Red (13%)
- Green (63%)
- Blue (60%)



- Red (13%)
- Yellow (39%)
- Blue (63%)



- Cyan (79%)
- Magenta (0%)
- Yellow (4%)
- Black (37%)





- Cyan (87%)
- Magenta (37%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1629, 0.2335, 0.3418 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 28.1629, 0.2335, 0.3418 by changing the saturation by 10% instead.


 28.1629, 0.2335,
0.3418


 28.1629, 0.2335,
0.3418


293.2445, 0.2756,
0.3358


 18.4485, 0.2222,
0.3431


 56.7444, 0.2494,
0.3397


 11.2725, 0.2073,
0.3446


 76.3803, 0.2552,
0.3389


 6.2504, 0.1866,
0.3461


 100.0922, 0.2600,
0.3382

 2.9979, 0.1566,
0.3472

 128.2644, 0.2641,
0.3376

 1.1307, 0.0708,
0.3606

 161.2813, 0.2676,
0.3371

 0.0039, 0.0000,
0.0094

199.5274, 0.2706,

 0.0000, 0.0000,

0.3366

0.0000

243.3870, 0.2732,
0.3361

■ 28.1629, 0.2335,
0.3418

■ 28.1629, 0.2335,
0.3418

■ 27.9213, 0.2308,
0.3436

■ 28.5351, 0.2380,
0.3400

■ 27.7757, 0.2295,
0.3454

■ 29.0505, 0.2444,
0.3382

■ 27.7600, 0.2293,
0.3456

■ 29.7237, 0.2526,
0.3364

■ 30.5668, 0.2625,
0.3347

■ 31.5905, 0.2739,
0.3331

■ 32.8048, 0.2865,
0.3316

■ 34.2190, 0.3001,
0.3302

■ 35.8416, 0.3144,
0.3289

■ 37.6807, 0.3292,
0.3277

Harmonies

Analogous

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



28.1629, 0.2766, 0.3982



28.1629, 0.2335, 0.3418



28.1629, 0.2119, 0.2875

Triad

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



28.1629, 0.2335, 0.3418



28.1629, 0.2854, 0.2467



28.1629, 0.4198, 0.3966

Complementary

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



28.1629, 0.2335, 0.3418



8.8873, 0.5688, 0.3225

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.



28.1629, 0.4252, 0.3539



28.1629, 0.2335, 0.3418



28.1629, 0.3433, 0.2719

Square

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



28.1629, 0.2335, 0.3418



28.1629, 0.2397, 0.2390



28.1629, 0.3964, 0.3098



28.1629, 0.3846, 0.4273

Rectangle

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



28.1629, 0.2335, 0.3418



28.1629, 0.2109, 0.2614



28.1629, 0.3964, 0.3098



28.1629, 0.4254, 0.3831

Sweetspot

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



28.1640, 0.2335, 0.3418



57.4848, 0.2792, 0.3324



26.1093, 0.3050, 0.5683



12.4536, 0.2751, 0.3329



80.7346, 0.3127, 0.3290



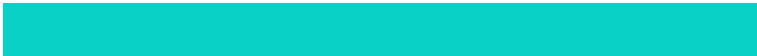
13.9985, 0.3127, 0.3290

Same Dimension

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



28.1640, 0.2335, 0.3418



49.8015, 0.2298, 0.3450



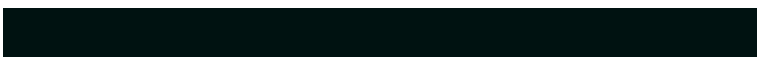
13.2247, 0.2005, 0.2164



8.0045, 0.2995, 0.3302



22.1737, 0.2293, 0.3454



0.4678, 0.2275, 0.3389

Inverse Universe

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



8.8873, 0.5688, 0.3225



13.8526, 0.6263, 0.3265



14.8524, 0.5042, 0.4033



7.0920, 0.3277, 0.3278



6.0692, 0.6324, 0.3257



0.1293, 0.5983, 0.3069

Previews

White Background



This preview shows how the Yxy color 28.1629, 0.2335, 0.3418 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 28.1629, 0.2335, 0.3418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

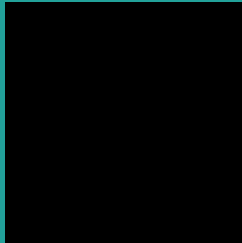
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.1629, 0.2335, 0.3418

Background



This preview shows how black text looks on a background with the Yxy color 28.1629, 0.2335, 0.3418.

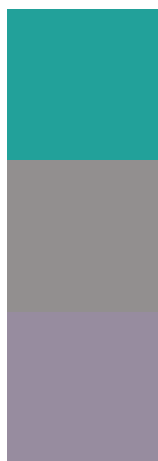


This preview shows how white text looks on a background with the Yxy color 28.1629, 0.2335, 0.3418.

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

28.1629, 0.2335, 0.3418

Protanopia

27.7391, 0.3159, 0.3290

Deuteranopia

27.8387, 0.3056, 0.2996



Tritanopia

27.9983, 0.2266, 0.3057

Trichromacy



Original Color

28.1629, 0.2335, 0.3418



Protanomaly

26.9225, 0.2731, 0.3342



Deuteranomaly

26.8023, 0.2673, 0.3134



Tritanomaly

28.0051, 0.2287, 0.3179

Monochromacy



Original Color

28.1629, 0.2335, 0.3418



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

21.5032, 0.2681, 0.3328

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1629, 0.2335, 0.3418 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(34, 161, 154)` looks like.

```
.text, #text, p{  
    color:rgb(34, 161, 154)  
}
```

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(34, 161, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 161, 154) }
```

Border

The CSS property to change the border of an element to Yxy 28.1629, 0.2335, 0.3418 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(34, 161, 154) }
```

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

```
.border{ border-color:rgb(34, 161, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 161, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 161, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 161, 154);  
box-shadow:4px 4px 4px 4px rgb(34, 161,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1629, 0.2335, 0.3418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 161, 154) }
```

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

```
.background{ background-color: rgb(34, 161,  
154) }
```

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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