

Converting Colors

$Yxy(28.2082, 0.2346, 0.3470)$

Have a look what the booklet for
Yxy(28.2082, 0.2346, 0.3470)
contains.

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Color

$\text{Yxy}(28.0638, 0.2341, 0.3456)$

Conversions

Conversions Part 1

Format	Color
Hex	20A198
RGB	32, 161, 152
RGB Percent	13%, 63%, 60%
CMY	0.8744, 0.3686, 0.4038
CMYK	0.80, 0.00, 0.06, 0.37
HSL	176°, 67%, 38%
HSV	176°, 80%, 63%
XYZ	19.0097, 28.0638, 34.1297
YIQ	121.4030, -73.9950, -30.1470

Conversions

Conversions Part 2

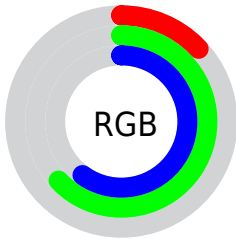
Format	Color
RYB	32, 99, 161
Decimal	2138520
CIELab	59.95, -34.95, -4.92
CIElCh	60, 35.296, 188.007
Yxy	28.0638, 0.2341, 0.3456
Android (android.graphics.Color)	4280328600 (0xFF20A198)
YUV	121.4030, 15.0843, -78.4064
Hunter-Lab	52.9753, -28.6538, -1.1153

Details

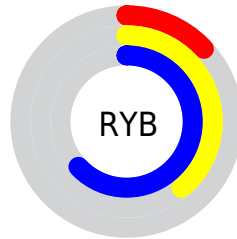
The Yxy color **28.0638, 0.2341, 0.3456** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.7713, 0.5709, 0.3207**, and the grayscale version is **19.2286, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.3927, 0.2500, 0.3424**, and **11.8769, 0.2307, 0.3505** is the 20% darker color. If you saturate the color by 10%, you get **27.8304, 0.2317, 0.3479**, and if you desaturate by 10%, it is **28.4257, 0.2383, 0.3433**.

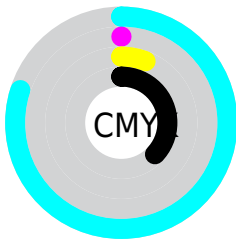
Distribution



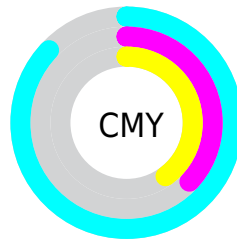
- Red (13%)
- Green (63%)
- Blue (60%)



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



- Cyan (80%)
- Magenta (0%)
- Yellow (6%)
- Black (37%)





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

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.0638, 0.2341, 0.3456 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 28.0638, 0.2341, 0.3456 by changing the saturation by 10% instead.


 28.0638, 0.2341,
0.3456


 28.0638, 0.2341,
0.3456


292.7716, 0.2759,
0.3374


 18.3738, 0.2228,
0.3475


 56.5863, 0.2499,
0.3427


 11.2187, 0.2079,
0.3499


 76.1875, 0.2557,
0.3416


 6.2141, 0.1872,
0.3527

 99.8613, 0.2605,
0.3406

 2.9757, 0.1571,
0.3558

 127.9919, 0.2645,
0.3398

 1.1191, 0.0649,
0.3757

 160.9639, 0.2680,
0.3391

 0.0000, 0.0000,
0.0000

 199.1616, 0.2710,

0.3385

242.9694, 0.2736,
0.3379

■ 28.0638, 0.2341,
0.3456

■ 28.0638, 0.2341,
0.3456

■ 27.8304, 0.2317,
0.3479

■ 28.4257, 0.2383,
0.3433

■ 27.6851, 0.2306,
0.3501

■ 28.9290, 0.2443,
0.3410

■ 29.5887, 0.2522,
0.3387

■ 30.4169, 0.2618,
0.3366

■ 31.4245, 0.2728,
0.3345

■ 32.6216, 0.2852,
0.3325

■ 34.0175, 0.2985,
0.3307

■ 35.6210, 0.3126,
0.3290

■ 37.4400, 0.3271,
0.3275

Harmonies

Analogous

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



28.0638, 0.2789, 0.4025



28.0638, 0.2341, 0.3456



28.0638, 0.2108, 0.2895

Triad

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



28.0638, 0.2341, 0.3456



28.0638, 0.2816, 0.2443



28.0638, 0.4231, 0.3953

Complementary

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



28.0638, 0.2341, 0.3456



8.7713, 0.5709, 0.3207

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.



28.0638, 0.4266, 0.3514



28.0638, 0.2341, 0.3456



28.0638, 0.3402, 0.2690

Square

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



28.0638, 0.2341, 0.3456



28.0638, 0.2362, 0.2376



28.0638, 0.3954, 0.3068



28.0638, 0.3886, 0.4279

Rectangle

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



28.0638, 0.2341, 0.3456



28.0638, 0.2088, 0.2621



28.0638, 0.3954, 0.3068



28.0638, 0.4281, 0.3813

Sweetspot

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



28.0649, 0.2341, 0.3456



57.4495, 0.2797, 0.3334



26.1027, 0.3058, 0.5704



12.4448, 0.2756, 0.3340



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.



28.0649, 0.2341, 0.3456



49.6499, 0.2309, 0.3496



13.4500, 0.2005, 0.2190



8.0027, 0.2997, 0.3305



22.1138, 0.2305, 0.3500



0.4670, 0.2282, 0.3416

Inverse Universe

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



8.7713, 0.5709, 0.3207



13.8107, 0.6262, 0.3256



14.2991, 0.5112, 0.4002



7.0936, 0.3274, 0.3275



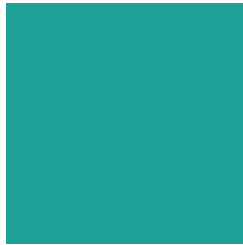
6.0738, 0.6304, 0.3246



0.1299, 0.5884, 0.3015

Previews

White Background



This preview shows how the Yxy color 28.0638, 0.2341, 0.3456 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 28.0638, 0.2341, 0.3456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

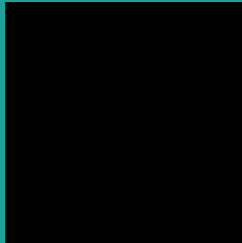
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.0638, 0.2341, 0.3456

Background



This preview shows how black text looks on a background with the Yxy color 28.0638, 0.2341, 0.3456.



This preview shows how white text looks on a background with the Yxy color 28.0638, 0.2341, 0.3456.

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

28.0638, 0.2341, 0.3456

Protanopia

27.6790, 0.3179, 0.3322

Deuteranopia

27.4789, 0.3076, 0.3010



Tritanopia

27.9983, 0.2266, 0.3057

Trichromacy



Original Color

28.0638, 0.2341, 0.3456



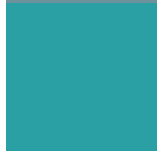
Protanomaly

26.8603, 0.2747, 0.3378



Deuteranomaly

26.4221, 0.2687, 0.3150



Tritanomaly

27.9689, 0.2292, 0.3197

Monochromacy



Original Color

28.0638, 0.2341, 0.3456



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

21.3981, 0.2689, 0.3367

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0638, 0.2341, 0.3456 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, 161, 152)` looks like.

```
.text, #text, p{  
    color:rgb(32, 161, 152)  
}
```

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, 161, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 161, 152) }
```

Border

The CSS property to change the border of an element to Yxy 28.0638, 0.2341, 0.3456 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, 161, 152) }
```

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

```
.border{ border-color:rgb(32, 161, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 161, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 161, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 161, 152);  
box-shadow:4px 4px 4px 4px rgb(32, 161,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0638, 0.2341, 0.3456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 161, 152) }
```

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

```
.background{ background-color: rgb(32, 161,  
152) }
```

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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